APM Technologies

Efficiency, Stability, Reliable, Precision

SPS-M/A Series DC Power Supply System

» Product specification sheet

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Contents

Manual Type(SPSM):

Contents

Automatic Type(SPSA):

SPS-M/A Series DC Power Supply System

Selection List (SPSM) :

Model	Size	Voltage	Current	Power	Corresponding page
SPSM80VDC54000W-3-18	18U	80V	1800A	54000W	P01
SPSM80VDC90000W-3-24	24U		3000A	90000W	
SPSM80VDC108000W-3-30	30U		3000A	108000W	
SPSM80VDC144000W-3-36	36U		3000A	144000W	
SPSM80VDC180000W-3-42	42U		3000A	180000W	
SPSM165VDC36000W-3-18	18U	165V	540A	36000W	P03
SPSM165VDC60000W-3-24	24U		900A	60000W	
SPSM165VDC72000W-3-30	30U		1080A	72000W	
SPSM165VDC96000W-3-36	36U		1440A	96000W	
SPSM165VDC120000W-3-42	42U		1800A	120000W	
SPSM250VDC54000W-3-18	18U	250V	540A	54000W	P05
SPSM250VDC90000W-3-24	24U		900A	90000W	
SPSM250VDC108000W-3-30	30U		1080A	108000W	
SPSM250VDC144000W-3-36	36U		1440A	144000W	
SPSM250VDC180000W-3-42	42U		1800A	180000W	
SPSM360VDC54000W-3-18	18U	360V	382.5A	54000W	P07
SPSM360VDC90000W-3-24	24U		637.5A	90000W	
SPSM360VDC108000W-3-30	30U		765A	108000W	
SPSM360VDC144000W-3-36	36U		1020A	144000W	
SPSM360VDC180000W-3-42	42U		1275A	180000W	
SPSM500VDC54000W-3-18	18U	500V	288A	54000W	P09
SPSM500VDC90000W-3-24	24U		480A	90000W	
SPSM500VDC108000W-3-30	30U		576A	108000W	
SPSM500VDC144000W-3-36	36U		768A	144000W	
SPSM500VDC180000W-3-42	42U		960A	180000W	
SPSM750VDC54000W-3-18	18U	750V	189A	54000W	P11
SPSM750VDC90000W-3-24	24U		315A	90000W	
SPSM750VDC108000W-3-30	30U		378A	108000W	
SPSM750VDC144000W-3-36	36U		504A	144000W	
SPSM750VDC180000W-3-42	42U		630A	180000W	
SPSM1000VDC36000W-3-18	18U	1000V	96A	36000W	P13
SPSM1000VDC60000W-3-24	24U		160A	60000W	
SPSM1000VDC72000W-3-30	30U		192A	72000W	
SPSM1000VDC96000W-3-36	36U		256A	96000W	
SPSM1000VDC120000W-3-42	42U		320A	120000W	
SPSM1500VDC54000W-3-18	18U	1500V	96A	54000W	P15
SPSM1500VDC90000W-3-24	24U		160A	90000W	
SPSM1500VDC108000W-3-30	30U		192A	108000W	
SPSM1500VDC144000W-3-36	36U		256A	144000W	
SPSM1500VDC180000W-3-42	42U		320A	180000W	
SPSM2250VDC54000W-3-18	18U	2250V	63A	54000W	P17
SPSM2250VDC90000W-3-24	24U		105A	90000W	
SPSM2250VDC108000W-3-30	30U		126A	108000W	
SPSM2250VDC144000W-3-36	36U		168A	144000W	
SPSM2250VDC180000W-3-42	42U		210A	180000W	

*This formula is the standard cabinet for SP-3U model. It could extend to 576W via SP-6U model. it is available to select cabinet with different specification according to exact situation. Detail please consults our area manager.

SPS-M/A Series DC Power Supply System

Selection List (SPSA) :

Model	Size	Voltage	Current	Power	Corresponding page
SPSA80VDC54000W-3-18	18U	80V	1800A	54000W	P19
SPSA80VDC90000W-3-24	24U		3000A	90000W	
SPSA80VDC108000W-3-30	30U		3000A	108000W	
SPSA80VDC144000W-3-36	36U		3000A	144000W	
SPSA80VDC180000W-3-42	42U		3000A	180000W	
SPSA165VDC36000W-3-18	18U	165V	540A	36000W	P21
SPSA165VDC60000W-3-24	24U		900A	60000W	
SPSA165VDC72000W-3-30	30U		1080A	72000W	
SPSA165VDC96000W-3-36	36U		1440A	96000W	
SPSA165VDC120000W-3-42	42U		1800A	120000W	
SPSA250VDC54000W-3-18	18U	250V	540A	54000W	P23
SPSA250VDC90000W-3-24	24U		900A	90000W	
SPSA250VDC108000W-3-30	30U		1080A	108000W	
SPSA250VDC144000W-3-36	36U		1440A	144000W	
SPSA250VDC180000W-3-42	42U		1800A	180000W	
SPSA360VDC54000W-3-18	18U	360V	382.5A	54000W	P25
SPSA360VDC90000W-3-24	24U		637.5A	90000W	
SPSA360VDC108000W-3-30	30U		765A	108000W	
SPSA360VDC144000W-3-36	36U		1020A	144000W	
SPSA360VDC180000W-3-42	42U		1275A	180000W	
SPSA500VDC54000W-3-18	18U	500V	288A	54000W	P27
SPSA500VDC90000W-3-24	24U		480A	90000W	
SPSA500VDC108000W-3-30	30U		576A	108000W	
SPSA500VDC144000W-3-36	36U		768A	144000W	
SPSA500VDC180000W-3-42	42U		960A	180000W	
SPSA750VDC54000W-3-18	18U	750V	189A	54000W	P29
SPSA750VDC90000W-3-24	24U		315A	90000W	
SPSA750VDC108000W-3-30	30U		378A	108000W	
SPSA750VDC144000W-3-36	36U		504A	144000W	
SPSA750VDC180000W-3-42	42U		630A	180000W	
SPSA1000VDC36000W-3-18	18U	1000V	96A	36000W	P31
SPSA1000VDC60000W-3-24	24U		160A	60000W	
SPSA1000VDC72000W-3-30	30U		192A	72000W	
SPSA1000VDC96000W-3-36	36U		256A	96000W	
SPSA1000VDC120000W-3-42	42U		320A	120000W	
SPSA1500VDC54000W-3-18	18U	1500V	96A	54000W	P33
SPSA1500VDC90000W-3-24	24U		160A	90000W	
SPSA1500VDC108000W-3-30	30U		192A	108000W	
SPSA1500VDC144000W-3-36	36U		256A	144000W	
SPSA1500VDC180000W-3-42	42U		320A	180000W	
SPSA2250VDC54000W-3-18	18U	2250V	63A	54000W	P35
SPSA2250VDC90000W-3-24	24U		105A	90000W	
SPSA2250VDC108000W-3-30	30U		126A	108000W	
SPSA2250VDC144000W-3-36	36U		168A	144000W	
SPSA2250VDC180000W-3-42	42U		210A	180000W	

*This formula is the standard cabinet for SP-3U model. It could extend to 576W via SP-6U model. it is available to select cabinet with different specification according to exact situation. Detail please consults our area manager.

CSP Specification:

Model	Corresponding page
CSP5	P33
CSP8	P33

SPS-M/A Series DC Power Supply System

MODEL		SPSM80VDC54000W-3-18	SPSM80VDC90000W-3-24	SPSM80VDC108000W-3-30	SPSM80VDC144000W-3-36	SPSM80DC180000W-3-42
Input						
Voltage[1]		3P208 187~265VAC				
		3P400 340~460VAC				
		▵Connect				
Frequency		45~65Hz				
Phase		3 Phase, 3Wire+Groud, ▵Connect				
Power Factor		>0.99(Rate Input Voltage, Full Load)				
Max.Current[1]		3P208 L1,L2,L3-180A	3P208 L1,L2,L3-300A	3P208 L1,L2,L3-400A	3P208 L1,L2,L3-480A	3P208 L1,L2,L3-600A
		3P400 L1,L2,L3-90A	3P400 L1,L2,L3-150A	3P400 L1,L2,L3-180A	3P400 L1,L2,L3-240A	3P400 L1,L2,L3-300A
Input Power Max		67KVA	112KVA	135KVA	180KVA	225KVA
Efficiency[1]		3P208 ~90.5%@80V, 3P208 ~86.5%@1800A	3P208 ~90.5%@80V, 3P208 ~86.5%@3000A	3P208 ~90.5%@80V, 3P208 ~86.5%@3000A	3P208 ~90.5%@80V, 3P208 ~86.5%@3000A	3P208 ~90.5%@80V, 3P208 ~86.5%@3000A
		3P400 ~92.2%@80V, 3P400 ~87.8%@1800A	3P400 ~92.2%@80V, 3P400 ~87.8%@3000A	3P400 ~92.2%@80V, 3P400 ~87.8%@3000A	3P400 ~92.2%@80V, 3P400 ~87.8%@3000A	3P400 ~92.2%@80V, 3P400 ~87.8%@3000A
Output						
Output Voltage		0~80V				
Output Current[2]		0~1800A	0~3000A	0~3000A	0~3000A	0~3000A
Output Power		0~54000W	0~90000W	0~108000W	0~144000W	0~180000W
Ro		0~1.4Ω	0~0.8Ω	0~0.7Ω	0~0.5Ω	0~0.4Ω
Load Regulation[3]	Voltage	120mV	200mV	240mV	320mV	400mV
	Current	<0.15%Imax(2700mA)	<0.15%Imax(4500mA)	<0.15%Imax(4500mA)	<0.15%Imax(4500mA)	<0.15%Imax(4500mA)
Line Regulation	Voltage	<0.02%Umax(16mV)				
	Current	<0.05%Imax(900mA)	<0.05%Imax(1500mA)	<0.05%Imax(1500mA)	<0.05%Imax(1500mA)	<0.05%Imax(1500mA)
Voltage Setting	Range	0~84V(0~105%)				
	Resolution	0.001V (F.S. ≤ 999.999V)				
	Accuracy	<0.1% Umax(80mV)				
Current Setting	Range	0~1836A(0~102%)	0~3060A(0~102%)	0~3060A(0~102%)	0~3060A(0~102%)	0~3060A(0~102%)
	Resolution	0.001A(F.S. ≤ 999.999A), 0.01A(F.S. > 999.999A)				
	Accuracy	<0.2%Imax(3600mA)	<0.2%Imax(6000mA)	<0.2%Imax(6000mA)	<0.2%Imax(6000mA)	<0.2%Imax(6000mA)
Power Setting	Range	0~56700W(0~105%)	0~94500W(0~105%)	0~113400W(0~105%)	0~151200W(0~105%)	0~189000W(0~105%)
	Resolution	0.1W(F.S. ≤ 99.9KW), 1W(F.S. > 99.9KW)				
	Accuracy	<0.5%F.S.+ 270W	<0.5%F.S.+ 450W	<0.5%F.S.+ 540W	<0.5%F.S.+ 720W	<0.5%F.S.+ 900W
Ro Setting	Range	0~1.4Ω	0~0.8Ω	0~0.7Ω	0~0.5Ω	0~0.4Ω
	Resolution	0.0001Ω				
	Accuracy	R<2%Rmax,I<0.3%Imax				
Ripple[4]	Voltage	<480mVpp, <37.5mVrms	<800mVpp, <62.5mVrms	<960mVpp, <75mVrms	<1280mVpp, <100mVrms	<1600mVpp, <125mVrms
	Current	NA				
Measurement						
Voltage	Range	0~84V(0~105%)				
	Resolution	0.001V (F.S. ≤ 999.999V)				
	Accuracy	<0.1%Umax(80mV)				
Current	Range	0~1836A(0~102%)	0~3060A(0~102%)	0~3060A(0~102%)	0~3060A(0~102%)	0~3060A(0~102%)
	Resolution	0.001A(F.S. ≤ 999.999A), 0.01A(F.S. > 999.999A)				
	Accuracy	<0.2%Imax(3600mA)	<0.2%Imax(6000mA)	<0.2%Imax(6000mA)	<0.2%Imax(6000mA)	<0.2%Imax(6000mA)
Ro	Range	0~1.4Ω	0~0.8Ω	0~0.7Ω	0~0.5Ω	0~0.4Ω
	Resolution	0.0001Ω				
	Accuracy	R<2%Rmax,I<0.3%Imax				

MODEL		SPSM80VDC54000W-3-18	SPSM80VDC90000W-3-24	SPSM80VDC108000W-3-30	SPSM80VDC144000W-3-36	SPSM80DC180000W-3-42
Power	Range	0~56700W(0~105%)	0~94500W(0~105%)	0~113400W(0~105%)	0~151200W(0~105%)	0~189000W(0~105%)
	Resolution	0.1W(F.S. ≤ 99.9KW), 1W(F.S. > 99.9KW)				
	Accuracy	<0.5%F.S.+ 270W	<0.5%F.S.+450W	<0.5%F.S.+ 540W	<0.5%F.S.+ 720W	<0.5%F.S.+ 900W
Sink Function						
Input Voltage		0~80V				
Input Current		0~900A	0~1500A	0~1800A	0~2400A	0~3000A
Input Power		0~3000W	0~5000W	0~6000W	0~8000W	0~10000W
Min.Operating Voltage		3V@900	3V@1500	3V@1800	3V@2400	3V@3000
CC Resolution		90mA	150mA	180mA	240mA	300mA
CC Accuracy		<0.2%Imax(1800mA)	<0.2%Imax(3000mA)	<0.2%Imax(3600mA)	<0.2%Imax(4800mA)	<0.2%Imax(6000mA)
CV Resolution		< 4mV				
CV Accuracy		<0.1%Umax(80mV)				
CP Resolution		4.5W	7.5W	9W	12W	15W
CP Accuracy		<0.5%Pmax(15000mW)	<0.5%Pmax(25000mW)	<0.5%Pmax(30000mW)	<0.5%Pmax(40000mW)	<0.5%Pmax(50000mW)
Slew Rate		0.01~2.5A/us				
Dynamic Mode		20~50ms				
General						
Graphic Display		4.3" Color touch LCD				
Operation Key Feature		Soft keys, Numberic keys, Rotary knod, USB port for transfer and upgrading firmware				
Rack Mount Handles		Yes				
FAN		Temperature control				
Protection		OCP, OVP, OPP, OTP, HARD FAIL				
Interface		RS232/RS485/USB(Standard), GPIB/LAN(Optional), CAN(Optional)				
Command Response Time		<3ms				
Emergency Stop Button		Yes				
Environmental						
Operating Temperature[2]		0°C~40°C				
Storage Temperature		-20°C~70°C				
Altitude		<2000m				
Relative Humidity		<95%RH(Non-condensing)@35°C, <80%RH(Non-condensing)@40°C				
Noise		50dB Min, 80dB Max	52dB Min, 82dB Max	53dB Min, 83dB Max	55dB Min, 85dB Max	56dB Min, 86dB Max
Temperature Coefficient		100ppm/°C at Voltage, 300ppm/°C at Current				
Mechanical						
Dimensions(W x H x D)		560.0x790.0x920.0 mm	560.0x1056.0x920.0 mm	560.0x1324.0x920.0 mm	560.0x1590.0x920.0 mm	560.0x1857.0x920.0 mm
Package Dimensions (W x H x D)		/	/	/	/	/
Unit Weight		/	/	/	/	/
Shipping Weight		/	/	/	/	/
Regulatory Compliance						
CE Mark		Installation Overvoltage Category II; Class II equipment; indoor use only.				

[1] For different input voltage standard option must be specified at the time of order as they are installed at the factory prior to shipment.
[2] It is recommended that the output current is derated by 10% when the operation environment is higher than30°C.
[3] Load transient from 0% to 100% of rated output.
[4] Vrms @ 300kHz, Vpp @ 20MHz, Arms @ 300kHz.
All specifications are subject to change without notice.

SPS-M/A Series DC Power Supply System

MODEL		SPSM165VDC36000W-3-18	SPSM165VDC60000W-3-24	SPSM165VDC72000W-3-30	SPSM165VDC96000W-3-36	SPSM165VDC120000W-3-42
Input						
Voltage[1]		3P208 187~265VAC				
		3P400 340~460VAC				
		▵Connect				
Frequency		45~65Hz				
Phase		3 Phase, 3Wire+Groud, ▵Connect				
Power Factor		>0.99(Rate Input Voltage, Full Load)				
Max.Current[1]		3P208 L1,L2,L3-123A	3P208 L1,L2,L3-200A	3P208 L1,L2,L3-247A	3P208 L1,L2,L3-330A	3P208 L1,L2,L3-414A
		3P400 L1,L2,L3-67A	3P400 L1,L2,L3-100A	3P400 L1,L2,L3-132A	3P400 L1,L2,L3-175A	3P400 L1,L2,L3-221A
Input Power Max		45KVA	75KVA	90KVA	120KVA	150KVA
Efficiency[1]		3P208 ~90.5%@165V, 3P208 ~85%@540A	3P208 ~90.5%@165V, 3P208 ~85%@900A	3P208 ~90.5%@165V, 3P208 ~85%@1080A	3P208 ~90.5%@165V, 3P208 ~85%@1440A	3P208 ~90.5%@165V, 3P208 ~85%@1800A
		3P400 ~91.5%@165V, 3P400 ~85.5%@540A	3P400 ~91.5%@165V, 3P400 ~85.5%@900A	3P400 ~91.5%@165V, 3P400 ~85.5%@1080A	3P400 ~91.5%@165V, 3P400 ~85.5%@1440A	3P400 ~91.5%@165V, 3P400 ~85.5%@1800A
Output						
Output Voltage		0~165V				
Output Current[2]		0~540A	0~900A	0~1080A	0~1440A	0~1800A
Output Power		0~36000W	0~60000W	0~72000W	0~96000W	0~120000W
Ro		0~9.2Ω	0~5.5Ω	0~4.6Ω	0~3.5Ω	0~2.8Ω
Load Regulation[3]	Voltage	247.5mV	412.5mV	495mV	660mV	825mV
	Current	<0.15%Imax(810mA)	<0.15%Imax(1350mA)	<0.15%Imax(1620mA)	<0.15%Imax(2160mA)	<0.15%Imax(2700mA)
Line Regulation	Voltage	<0.02%Umax(33mV)				
	Current	<0.05%Imax(270mA)	<0.05%Imax(450mA)	<0.05%Imax(540mA)	<0.05%Imax(720mA)	<0.05%Imax(900mA)
Voltage Setting	Range	0~173.25V(0~105%)				
	Resolution	0.001V (F.S. ≤999.999V)				
	Accuracy	<0.1% Umax (165mV)				
Current Setting	Range	0~567A(0~105%)	0~945A(0~105%)	0~1134A(0~105%)	0~1512A(0~105%)	0~1890A(0~105%)
	Resolution	0.001A(F.S. ≤ 999.999A), 0.01A(F.S. > 999.999A)				
	Accuracy	<0.2%Imax(1080mA)	<0.2%Imax(1800mA)	<0.2%Imax(2160mA)	<0.2%Imax(2880mA)	<0.2%Imax(3600mA)
Power Setting	Range	0~37800W(0~105%)	0~63000W(0~105%)	0~75600W(0~105%)	0~100800W(0~105%)	0~126000W(0~105%)
	Resolution	0.1W(F.S.≤ 99.9KW),1W(F.S. > 99.9KW)				
	Accuracy	<0.5%F.S.+ 270W	<0.5%F.S.+ 450W	<0.5%F.S.+ 540W	<0.5%F.S.+ 720W	<0.5%F.S.+ 900W
Ro Setting	Range	0~9.2Ω	0~5.5Ω	0~4.6Ω	0~3.5Ω	0~2.8Ω
	Resolution	0.0001Ω				
	Accuracy	R< 2%Rmax,I<0.3%Imax				
Ripple[4]	Voltage	<870mVpp, <75mVrms	<1350mVpp, <125mVrms	<1740mVpp, <150mVrms	<2320mVpp, <200mVrms	<2900mVpp, <250mVrms
	Current	NA				
Measurement						
Voltage	Range	0~173.25V(0~105%)				
	Resolution	0.001V F.S. ≤999.999V				
	Accuracy	<0.1% Umax (165mV)				
Current	Range	0~567A(0~105%)	0~945A(0~105%)	0~1134A(0~105%)	0~1512A(0~105%)	0~1890A(0~105%)
	Resolution	0.001A(F.S. ≤ 999.999A), 0.01A(F.S. > 999.999A)				
	Accuracy	<0.2%Imax(1080mA)	<0.2%Imax(1800mA)	<0.2%Imax(2160mA)	<0.2%Imax(2880mA)	<0.2%Imax(3600mA)
Ro	Range	0~9.2Ω	0~5.5Ω	0~4.6Ω	0~3.5Ω	0~2.8Ω
	Resolution	0.0001Ω				
	Accuracy	R<2%Rmax,I<0.3%Imax				

MODEL		SPSM165VDC36000W-3-18	SPSM165VDC60000W-3-24	SPSM165VDC72000W-3-30	SPSM165VDC96000W-3-36	SPSM165VDC120000W-3-42
Power	Range	0~37800W(0~105%)	0~63000W((0~105%)	0~75600W(0~105%)	0~100800W(0~105%)	0~126000W(0~105%)
	Resolution	0.1W(F.S.≤ 99.9KW), 1W(F.S. > 99.9KW)				
	Accuracy	<0.5%F.S.+ 270W	<0.5%F.S.+ 450W	<0.5%F.S.+ 540W	<0.5%F.S.+ 720W	<0.5%F.S.+ 900W
General						
Graphic Display		4.3" Color touch LCD				
Operation Key Feature		Soft keys, Numberic keys, Rotary knod, USB port for transfer and upgrading firmware				
Rack Mount Handles		Yes				
FAN		Temperature control				
Protection		OCP, OVP, OPP, OTP, HARD FAIL				
Interface		RS232/RS485/USB(Standard), GPIB/LAN(Optional), CAN(Optional)				
Command Response Time		<3ms				
Emergency Stop Button		Yes				
Environmental						
Operating Temperature[2]		0°C~40°C				
Storage Temperature		-20°C~70°C				
Altitude		<2000m				
Relative Humidity		<95%RH(Non-condensing)@35°C, <80%RH(Non-condensing)@40°C				
Noise		50dB Min, 78dB Max	52dB Min, 80dB Max	53dB Min, 81dB Max	55dB Min, 83dB Max	56dB Min, 84dB Max
Temperature Coefficient		100ppm/°C at Voltage, 300ppm/°C at Current				
Mechanical						
Dimensions(W x H x D)		560.0x790.0x920.0 mm	560.0x1056.0x920.0 mm	560.0x1324.0x920.0 mm	560.0x1590.0x920.0 mm	560.0x1857.0x920.0 mm
Package Dimensions (W x H x D)		/	/	/	/	/
Unit Weight		/	/	/	/	/
Shipping Weight		/	/	/	/	/
Regulatory Compliance						
CE Mark		Installation Overvoltage Category II; Class II equipment; indoor use only.				

[1] For different input voltage standard option must be specified at the time of order as they are installed at the factory prior to shipment.
[2] It is recommended that the output current is derated by 10% when the operation environment is higher than30°C.
[3] Load transient from 0% to 100% of rated output.
[4] Vrms @ 300kHz, Vpp @ 20MHz, Arms @ 300kHz.
All specifications are subject to change without notice.

SPS-M/A Series DC Power Supply System

MODEL		SPSM250VDC54000W-3-18	SPSM250VDC90000W-3-24	SPSM250VDC108000W-3-30	SPSM250VDC144000W-3-36	SPSM250VDC180000W-3-42
Input						
Voltage[1]		3P208 187~265VAC				
		3P400 340~460VAC				
		▵Connect				
Frequency		45~65Hz				
Phase		3 Phase, 3Wire+Groud, ▵Connect				
Power Factor		>0.99(Rate Input Voltage, Full Load)				
Max.Current[1]		3P208 L1,L2,L3-180A	3P208 L1, L2,L3-300A	3P208 L1,L2,L3-400A	3P208 L1,L2,L3-480A	3P208 L1,L2,L3-600A
		3P400 L1,L2,L3-90A	3P400 L1,L2,L3-150A	3P400 L1,L2,L3-180A	3P400 L1,L2,L3-240A	3P400 L1,L2,L3-300A
Input Power Max		67KVA	112KVA	135KVA	180KVA	225KVA
Efficiency[1]		3P208 ~90.5%@250V, 3P208 ~85%@540A	3P208 ~90.5%@250V, 3P208 ~85%@900A	3P208 ~90.5%@250V, 3P208 ~85%@1080A	3P208 ~90.5%@250V, 3P208 ~85%@1440A	3P208 ~90.5%@250V, 3P208 ~85%@1800A
		3P400 ~91.5%@250V, 3P400 ~85.5%@540A	3P400 ~91.5%@250V, 3P400 ~85.5%@900A	3P400 ~91.5%@250V, 3P400 ~85.5%@1080A	3P400 ~91.5%@250V, 3P400 ~85.5%@1440A	3P400 ~91.5%@250V, 3P400 ~85.5%@1800A
Output						
Output Voltage		0~250V				
Output Current[2]		0~540A	0~900A	0~1080A	0~1440A	0~1800A
Output Power		0~54000W	0~90000W	0~108000W	0~144000W	0~180000W
Ro		0~13.9Ω	0~8.3Ω	0~7.0Ω	0~5.2Ω	0~4.2Ω
Load Regulation[3]	Voltage	375mV	625mV	750mV	1000mV	1250mV
	Current	<0.15%Imax(810mA)	<0.15%Imax(1350mA)	<0.15%Imax(1620mA)	<0.15%Imax(2160mA)	<0.15%Imax(2700mA)
Line Regulation	Voltage	<0.02%Umax(50mV)				
	Current	<0.05%Imax(270mA)	<0.05%Imax(450mA)	<0.05%Imax(540mA)	<0.05%Imax(720mA)	<0.05%Imax(900mA)
Voltage Setting	Range	0~262.5V(0~105%)				
	Resolution	0.001V (F.S. ≤999.999V)				
	Accuracy	<0.1% Umax(250mV)				
Current Setting	Range	0~567A(0~105%)	0~945A(0~105%)	0~1134A(0~105%)	0~1512A(0~105%)	0~1890A(0~105%)
	Resolution	0.001A(F.S. ≤ 999.999A), 0.01A(F.S. > 999.999A)				
	Accuracy	<0.2%Imax(1080mA)	<0.2%Imax(1800mA)	<0.2%Imax(2160mA)	<0.2%Imax(2880mA)	<0.2%Imax(3600mA)
Power Setting	Range	0~56700W(0~105%)	0~94500W(0~105%)	0~113400W(0~105%)	0~151200W(0~105%)	0~189000W(0~105%)
	Resolution	0.1W(F.S. ≤ 99.9KW), 1W(F.S. > 99.9KW)				
	Accuracy	<0.5%F.S.+ 270W	<0.5%F.S.+ 450W	<0.5%F.S.+ 540W	<0.5%F.S.+ 720W	<0.5%F.S.+ 900W
Ro Setting	Range	0~13.9Ω	0~8.3Ω	0~7.0Ω	0~5.2Ω	0~4.2Ω
	Resolution	0.0001Ω				
	Accuracy	R<2%Rmax,I<0.3%Imax				
Ripple[4]	Voltage	<825mVpp, <75mVrms	<2125mVpp, <187.5mVrms	<1650mVpp, <150mVrms	<2200mVpp, <200mVrms	<2750mVpp, <250mVrms
	Current	NA				
Measurement						
Voltage	Range	0~262.5V(0~105%)				
	Resolution	0.001V (F.S. ≤999.999V)				
	Accuracy	<0.1% Umax (250mV)				
Current	Range	0~567A(0~105%)	0~945A(0~105%)	0~1134A(0~105%)	0~1512A(0~105%)	0~1890A(0~105%)
	Resolution	0.001A(F.S. ≤ 999.999A), 0.01A(F.S. > 999.999A)				
	Accuracy	<0.2%Imax(1080mA)	<0.2%Imax(1800mA)	<0.2%Imax(2160mA)	<0.2%Imax(2880mA)	<0.2%Imax(3600mA)
Ro	Range	0~13.9Ω	0~8.3Ω	0~7.0Ω	0~5.2Ω	0~4.2Ω
	Resolution	0.0001Ω				
	Accuracy	R<2%Rmax,I<0.3%Imax				

MODEL		SPSM250VDC54000W-3-18	SPSM250VDC90000W-3-24	SPSM250VDC108000W-3-30	SPSM250VDC144000W-3-36	SPSM250VDC180000W-3-42
Power	Range	0~56700W(0~105%)	0~94500W(0~105%)	0~113400W(0~105%)	0~151200W(0~105%)	0~189000W(0~105%)
	Resolution	0.1W(F.S. ≤ 99.9KW), 1W(F.S. > 99.9KW)				
	Accuracy	<0.5%F.S.+ 270W	<0.5%F.S.+ 450W	<0.5%F.S.+ 540W	<0.5%F.S.+ 720W	<0.5%F.S.+ 900W
General						
Graphic Display		4.3" Color touch LCD				
Operation Key Feature		Soft keys, Numberic keys, Rotary knod, USB port for transfer and upgrading firmware				
Rack Mount Handles		Yes				
FAN		Temperature control				
Protection		OCP, OVP, OPP, OTP, HARD FAIL				
Interface		RS232/RS485/USB(Standard), GPIB/LAN(Optional), CAN(Optional)				
Command Response Time		<3ms				
Emergency Stop Button		Yes				
Environmental						
Operating Temperature[2]		0°C~40°C				
Storage Temperature		-20°C~70°C				
Altitude		<2000m				
Relative Humidity		<95%RH(Non-condensing)@35°C, <80%RH(Non-condensing)@40°C				
Noise		50dB Min, 80dB Max	52dB Min, 82dB Max	53dB Min, 83dB Max	55dB Min, 85dB Max	56dB Min, 86dB Max
Temperature Coefficient		100ppm/°C at Voltage, 300ppm/°C at Current				
Mechanical						
Dimensions(W x H x D)		560.0x790.0x920.0 mm	560.0x1056.0x920.0 mm	560.0x1324.0x920.0 mm	560.0x1590.0x920.0 mm	560.0x1857.0x920.0 mm
Package Dimensions (W x H x D)		/	/	/	/	/
Unit Weight		/	/	/	/	/
Shipping Weight		/	/	/	/	/
Regulatory Compliance						
CE Mark		Installation Overvoltage Category II; Class II equipment; indoor use only.				

[1] For different input voltage standard option must be specified at the time of order as they are installed at the factory prior to shipment.
[2] It is recommended that the output current is derated by 10% when the operation environment is higher than30°C.
[3] Load transient from 0% to 100% of rated output.
[4] Vrms @ 300kHz, Vpp @ 20MHz, Arms @ 300kHz.
All specifications are subject to change without notice.

SPS-M/A Series DC Power Supply System

MODEL		SPSM360VDC54000W-3-18	SPSM360VDC90000W-3-24	SPSM360VDC108000W-3-30	SPSM360VDC144000W-3-36	SPSM360VDC180000W-3-42
Input						
Voltage[1]		3P208 187~265VAC				
		3P400 340~460VAC				
		▵Connect				
Frequency		45~65Hz				
Phase		3 Phase, 3Wire+Groud, ▵Connect				
Power Factor		>0.99(Rate Input Voltage, Full Load)				
Max.Current[1]		3P208 L1,L2,L3-180A	3P208 L1,L2,L3-300A	3P208 L1,L2,L3-400A	3P208 L1,L2,L3-480A	3P208 L1,L2,L3-600A
		3P400 L1,L2,L3-90A	3P400 L1,L2,L3-150A	3P400 L1,L2,L3-180A	3P400 L1,L2,L3-240A	3P400 L1,L2,L3-300A
Input Power Max		67KVA	112KVA	135KVA	180KVA	225KVA
Efficiency[1]		3P208 ~92.2%@360V, 3P208 ~90.5%@382.5A	3P208 ~92.2%@360V, 3P208 ~90.5%@637.5A	3P208 ~92.2%@360V, 3P208 ~90.5%@765A	3P208 ~92.2%@360V, 3P208 ~90.5%@1020A	3P208 ~92.2%@360V, 3P208 ~90.5%@1275A
		3P400 ~92.5%@360V, 3P400 ~91%@382.5A	3P400 ~92.5%@360V, 3P400 ~91%@637.5A	3P400 ~92.5%@360V, 3P400 ~91%@765A	3P400 ~92.5%@360V, 3P400 ~91%@1020A	3P400 ~92.5%@360V, 3P400 ~91%@1275A
Output						
Output Voltage		0~360V				
Output Current		0~382.5A	0~637.5A	0~765A	0~1020A	0~1275A
Output Power		0~54000W	0~90000W	0~108000W	0~144000W	0~180000W
Ro		0~28.2Ω	0~16.9Ω	0~14.1Ω	0~10.6Ω	0~8.5Ω
Load Regulation[2]	Voltage	540mV	900mV	1080mV	1440mV	1800mV
	Current	<0.15%Imax(574mA)	<0.15%Imax(956mA)	<0.15%Imax(1147mA)	<0.15%Imax(1530mA)	<0.15%Imax(1912mA)
Line Regulation	Voltage	<0.02%Umax(72mV)				
	Current	<0.05%Imax(191mA)	<0.05%Imax(318mA)	<0.05%Imax(382mA)	<0.05%Imax(510mA)	<0.05%Imax(637mA)
Voltage Setting	Range	0~378V(0~105%)				
	Resolution	0.001V (F.S. ≤999.999V)				
	Accuracy	<0.1% Umax (360mV)				
Current Setting	Range	0~401.6A(0~105%)	0~669.3A(0~105%)	0~803.2A(0~105%)	0~1071A(0~105%)	0~1338.7A(0~105%)
	Resolution	0.001A(F.S. ≤ 999.999A), 0.01A(F.S. > 999.999A)				
	Accuracy	<0.2%Imax (765mA)	<0.2%Imax(1275mA)	<0.2%Imax(1530mA)	<0.2%Imax(2040mA)	<0.2%Imax(2550mA)
Power Setting	Range	0~56700W(0~105%)	0~94500W(0~105%)	0~113400W(0~105%)	0~151200W(0~105%)	0~189000W(0~105%)
	Resolution	0.1W(F.S. ≤ 99.9KW), 1W(F.S. > 99.9KW)				
	Accuracy	<0.5%F.S.+ 270W	<0.5%F.S.+ 450W	<0.5%F.S.+ 540W	<0.5%F.S.+ 720W	<0.5%F.S.+ 900W
Ro Setting	Range	0~28.2Ω	0~16.9Ω	0~14.1Ω	0~10.5Ω	0~8.4Ω
	Resolution	0.0001Ω				
	Accuracy	R<2%Rmax,I<0.3%Imax				
Ripple[3]	Voltage	<480mVpp, <82.5mVrms	<800mVpp, <137.5mVrms	<960mVpp, <165mVrms	<1280mVpp, <220mVrms	<1600mVpp, <275mVrms
	Current	NA				
Measurement						
Voltage	Range	0~378V(0~105%)				
	Resolution	0.001V (F.S. ≤999.999V)				
	Accuracy	<0.1%Umax(360mV)				
Current	Range	0~401.6A(0~105%)	0~669.3A(0~105%)	0~803.2A(0~105%)	0~1071A(0~105%)	0~1338.7A(0~105%)
	Resolution	0.001A(F.S. ≤ 999.999A), 0.01A(F.S. > 999.999A)				
	Accuracy	<0.2%Imax(765mA)	<0.2%Imax(1275mA)	<0.2%Imax(1530mA)	<0.2%Imax(2040mA)	<0.2%Imax(2550mA)
Ro	Range	0~28.2Ω	0~16.9Ω	0~14.1Ω	0~10.5Ω	0~8.4Ω
	Resolution	0.0001Ω				
	Accuracy	R<2%Rmax,I<0.3%Imax				

MODEL		SPSM360VDC54000W-3-18	SPSM360VDC90000W-3-24	SPSM360VDC108000W-3-30	SPSM360VDC144000W-3-36	SPSM360VDC180000W-3-42
Power	Range	0~56700W(0~105%)	0~94500W(0~105%)	0~113400W(0~105%)	0~151200W(0~105%)	0~189000W(0~105%)
	Resolution	0.1W(F.S. ≤ 99.9KW), 1W(F.S. > 99.9KW)				
	Accuracy	<0.5%F.S.+ 270W	<0.5%F.S.+ 450W	<0.5%F.S.+ 540W	<0.5%F.S.+ 720W	<0.5%F.S.+ 900W
Sink Function						
Input Voltage		0~360V				
Input Current		0~225A	0~375A	0~450A	0~600A	0~750A
Input Power		0~2925W	0~4875W	0~5850W	0~7800W	0~9750W
Min.Operating Voltage		8V@120A	8V@200A	8V@240A	8V@320A	8V@400A
CC Resolution		18mA	30mA	36mA	48mA	60mA
CC Accuracy		<0.2%Imax(450mA)	<0.2%Imax(750mA)	<0.2%Imax(900mA)	<0.2%Imax(1200mA)	<0.2%Imax(1500mA)
CV Resolution		< 4mV				
CV Accuracy		<0.1%Umax(360mV)				
CP Resolution		4.5W	7.5W	9W	12W	15W
CP Accuracy		<0.5%Pmax(14625mW)	<0.5%Pmax(24375mW)	<0.5%Pmax(29250mW)	<0.5%Pmax(39000mW)	<0.5%Pmax(48750mW)
Slew Rate		0.01~2.5A/us				
Dynamic Mode		20~50ms				
General						
Graphic Display		4.3" Color touch LCD				
Operation Key Feature		Soft keys, Numberic keys, Rotary knod, USB port for transfer and upgrading firmware				
Rack Mount Handles		Yes				
FAN		Temperature control				
Protection		OCP, OVP, OPP, OTP, HARD FAIL				
Interface		RS232/RS485/USB(Standard), GPIB/LAN(Optional), CAN(Optional)				
Command Response Time		<3ms				
Emergency Stop Button		Yes				
Environmental						
Operating Temperature		0°C~40°C				
Storage Temperature		-20°C~70°C				
Altitude		<2000m				
Relative Humidity		<95%RH(Non-condensing)@35°C, <80%RH(Non-condensing)@40°C				
Noise		50dB Min, 80dB Max	52dB Min, 82dB Max	53dB Min, 83dB Max	55dB Min, 85dB Max	56dB Min, 86dB Max
Temperature Coefficient		100ppm/°C at Voltage, 300ppm/°C at Current				
Mechanical						
Dimensions(W x H x D)		560.0x790.0x920.0 mm	560.0x1056.0x920.0 mm	560.0x1324.0x920.0 mm	560.0x1590.0x920.0 mm	560.0x1857.0x920.0 mm
Package Dimensions (W x H x D)		/	/	/	/	/
Unit Weight		/	/	/	/	/
Shipping Weight		/	/	/	/	/
Regulatory Compliance						
CE Mark		Installation Overvoltage Category II; Class II equipment; indoor use only.				

[1] For different input voltage standard option must be specified at the time of order as they are installed at the factory prior to shipment.
[2] Load transient from 0% to 100% of rated output.
[3] Vrms @ 300kHz, Vpp @ 20MHz, Arms @ 300kHz.
All specifications are subject to change without notice.

SPS-M/A Series DC Power Supply System

MODEL		SPSM500VDC54000W-3-18	SPSM500VDC90000W-3-24	SPSM500VDC108000W-3-30	SPSM500VDC144000W-3-36	SPSM500VDC180000W-3-42
Input						
Voltage[1]		3P208 187~265VAC				
		3P400 340~460VAC				
		▵Connect				
Frequency		45~65Hz				
Phase		3 Phase, 3Wire+Groud, ▵Connect				
Power Factor		>0.99(Rate Input Voltage, Full Load)				
Max.Current[1]		3P208 L1,L2,L3-180A	3P208 L1,L2,L3-300A	3P208 L1,L2,L3-400A	3P208 L1,L2,L3-480A	3P208 L1,L2,L3-600A
		3P400 L1,L2,L3-90A	3P400 L1,L2,L3-150A	3P400 L1,L2,L3-180A	3P400 L1,L2,L3-240A	3P400 L1,L2,L3-300A
Input Power Max		67KVA	112KVA	135KVA	180KVA	225KVA
Efficiency[1]		3P208 ~92.5%@500V, 3P208 ~91%@288A	3P208 ~92.5%@500V, 3P208 ~91%@480A	3P208 ~92.5%@500V, 3P208 ~91%@576A	3P208 ~92.5%@500V, 3P208 ~91%@768A	3P208 ~92.5%@500V, 3P208 ~91%@960A
		3P400 ~94%@500V, 3P400 ~92.5%@288A	3P400 ~94%@500V, 3P400 ~92.5%@480A	3P400 ~94%@500V, 3P400 ~92.5%@576A	3P400 ~94%@500V, 3P400 ~92.5%@768A	3P400 ~94%@500V, 3P400 ~92.5%@960A
Output						
Output Voltage		0~500V				
Output Current		0~288A	0~480A	0~576A	0~768A	0~960A
Output Power		0~54000W	0~90000W	0~108000W	0~144000W	0~180000W
Ro		0~53Ω	0~31Ω	0~27Ω	0~20Ω	0~16Ω
Load Regulation[2]	Voltage	750mV	1250mV	1500mV	2000mV	2500mV
	Current	<0.15%Imax(432mA)	<0.15%Imax(720mA)	<0.15%Imax(864mA)	<0.15%Imax(1152mA)	<0.15%Imax(1440mA)
Line Regulation	Voltage	<0.02%Umax(100mV)				
	Current	<0.05%Imax(144mA)	<0.05%Imax(240mA)	<0.05%Imax(288mA)	<0.05%Imax(384mA)	<0.05%Imax(480mA)
Voltage Setting	Range	0~525V(0~105%)				
	Resolution	0.001V (F.S. ≤999.999V), 0.01V(F.S. > 999.999V)				
	Accuracy	<0.1% Umax (500mV)				
Current Setting	Range	0~302.4A(0~105%)	0~504A(0~105%)	0~604.80A(0~105%)	0~806.4A(0~105%)	0~1008A(0~105%)
	Resolution	0.001A(F.S. ≤ 999.999A), 0.01A(F.S. > 999.999A)				
	Accuracy	<0.2%Imax (576mA)	<0.2%Imax(960mA)	<0.2%Imax(1152mA)	<0.2%Imax(1536mA)	<0.2%Imax(1920mA)
Power Setting	Range	0~56700W(0~105%)	0~94500W(0~105%)	0~113400W(0~105%)	0~151200W(0~105%)	0~189000W(0~105%)
	Resolution	0.1W(F.S. ≤ 99.9KW), 1W(F.S. > 99.9KW)				
	Accuracy	<0.5%F.S.+ 270W	<0.5%F.S.+ 450W	<0.5%F.S.+ 540W	<0.5%F.S.+ 720W	<0.5%F.S.+ 900W
Ro Setting	Range	0~53Ω	0~31Ω	0~27Ω	0~20Ω	0~16Ω
	Resolution	0.0001Ω				
	Accuracy	R< 2%Rmax,I<0.3%Imax				
Ripple[3]	Voltage	<975mVpp, <240mVrms	<1625mVpp, <400mVrms	<1950mVpp, <480mVrms	<2600mVpp, <640mVrms	<3250mVpp, <800mVrms
	Current	NA				
Measurement						
Voltage	Range	0~525V(0~105%)				
	Resolution	0.001V (F.S. ≤999.999V), 0.01V(F.S. > 999.999V)				
	Accuracy	<0.1%Umax(500mV)				
Current	Range	0~302.4A(0~105%)	0~504A(0~105%)	0~604.80A(0~105%)	0~806.4A(0~105%)	0~1008A(0~105%)
	Resolution	0.001A(F.S. ≤ 999.999A), 0.01A(F.S. > 999.999A)				
	Accuracy	<0.2%Imax(576mA)	<0.2%Imax(960mA)	<0.2%Imax(1152mA)	<0.2%Imax(1536mA)	<0.2%Imax(1920mA)
Ro	Range	0~53Ω	0~31Ω	0~27Ω	0~20Ω	0~16Ω
	Resolution	0.0001Ω				
	Accuracy	R<2%Rmax,I<0.3%Imax				

MODEL		SPSM500VDC54000W-3-18	SPSM500VDC90000W-3-24	SPSM500VDC108000W-3-30	SPSM500VDC144000W-3-36	SPSM500VDC180000W-3-42
Power	Range	0~56700W(0~105%)	0~94500W(0~105%)	0~113400W(0~105%)	0~151200W(0~105%)	0~189000W(0~105%)
	Resolution	0.1W(F.S. ≤ 99.9KW), 1W(F.S. > 99.9KW)				
	Accuracy	<0.5%F.S.+ 270W	<0.5%F.S.+ 450W	<0.5%F.S.+ 540W	<0.5%F.S.+ 720W	<0.5%F.S.+ 900W
Sink Function						
Input Voltage		0~500V				
Input Current		0~120A	0~200A	0~240A	0~320A	0~400A
Input Power		0~2925W	0~4875W	0~5850W	0~7800W	0~9750W
Min.Operating Voltage		8V@120A	8V@200A	8V@240A	8V@320A	8V@400A
CC Resolution		9mA	15mA	18mA	24mA	30mA
CC Accuracy		<0.2%Imax(240mA)	<0.2%Imax(400mA)	<0.2%Imax(480mA)	<0.2%Imax(640mA)	<0.2%Imax(800mA)
CV Resolution		< 4mV				
CV Accuracy		<0.1%Umax(500mV)				
CP Resolution		4.5W	7.5W	9W	12W	15W
CP Accuracy		<0.5%Pmax(14625mW)	<0.5%Pmax(24375mW)	<0.5%Pmax(29250mW)	<0.5%Pmax(39000mW)	<0.5%Pmax(48750mW)
Slew Rate		0.01~2.5A/us				
Dynamic Mode		20~50ms				
General						
Graphic Display		4.3" Color touch LCD				
Operation Key Feature		Soft keys, Numberic keys, Rotary knod, USB port for transfer and upgrading firmware				
Rack Mount Handles		Yes				
FAN		Temperature control				
Protection		OCP, OVP, OPP, OTP, HARD FAIL				
Interface		RS232/RS485/USB(Standard), GPIB/LAN(Optional), CAN(Optional)				
Command Response Time		<3ms				
Emergency Stop Button		Yes				
Environmental						
Operating Temperature		0°C~40°C				
Storage Temperature		-20°C~70°C				
Altitude		<2000m				
Relative Humidity		<95%RH(Non-condensing)@35°C, <80%RH(Non-condensing)@40°C				
Noise		50dB Min, 80dB Max	52dB Min, 82dB Max	53dB Min, 83dB Max	55dB Min, 85dB Max	56dB Min, 86dB Max
Temperature Coefficient		100ppm/°C at Voltage, 300ppm/°C at Current				
Mechanical						
Dimensions(W x H x D)		560.0x790.0x920.0 mm	560.0x1056.0x920.0 mm	560.0x1324.0x920.0 mm	560.0x1590.0x920.0 mm	560.0x1857.0x920.0 mm
Package Dimensions (W x H x D)		/	/	/	/	/
Unit Weight		/	/	/	/	/
Shipping Weight		/	/	/	/	/
Regulatory Compliance						
CE Mark		Installation Overvoltage Category II; Class II equipment; indoor use only.				

[1] For different input voltage standard option must be specified at the time of order as they are installed at the factory prior to shipment.
[2] Load transient from 0% to 100% of rated output.
[3] Vrms @ 300kHz, Vpp @ 20MHz, Arms @ 300kHz.
All specifications are subject to change without notice.

SPS-M/A Series DC Power Supply System

MODEL		SPSM750VDC54000W-3-18	SPSM750VDC90000W-3-24	SPSM750VDC108000W-3-30	SPSM750VDC144000W-3-36	SPSM750VDC180000W-3-42
Input						
Voltage[1]		3P208 187~265VAC				
		3P400 340~460VAC				
		▵Connect				
Frequency		45~65Hz				
Phase		3 Phase, 3Wire+Groud, ▵Connect				
Power Factor		>0.99(Rate Input Voltage, Full Load)				
Max.Current[1]		3P208 L1,L2,L3-180A	3P208 L1,L2,L3-300A	3P208 L1,L2,L3-400A	3P208 L1,L2,L3-480A	3P208 L1,L2,L3-600A
		3P400 L1,L2,L3-90A	3P400 L1,L2,L3-150A	3P400 L1,L2,L3-180A	3P400 L1,L2,L3-240A	3P400 L1,L2,L3-300A
Input Power Max		67KVA	112KVA	135KVA	180KVA	225KVA
Efficiency[1]		3P208 ~92.5%@750V, 3P208 ~91%@189A	3P208 ~92.5%@750V, 3P208 ~91%@315A	3P208 ~92.5%@750V, 3P208 ~91%@378A	3P208 ~92.5%@750V, 3P208 ~91%@504A	3P208 ~92.5%@750V, 3P208 ~91%@630A
		3P400 ~92.7%@750V, 3P400 ~92%@189A	3P400 ~92.7%@750V, 3P400 ~92%@315A	3P400 ~92.7%@750V, 3P400 ~92%@378A	3P400 ~92.7%@750V, 3P400 ~92%@504A	3P400 ~92.7%@750V, 3P400 ~92%@630A
Output						
Output Voltage		0~750V				
Output Current		0~189A	0~315A	0~378A	0~504A	0~630A
Output Power		0~54000W	0~90000W	0~108000W	0~144000W	0~180000W
Ro		0~120Ω	0~71Ω	0~60Ω	0~45Ω	0~36Ω
Load Regulation[2]	Voltage	1110mV	1850mV	2220mV	2960mV	3700mV
	Current	<0.15%Imax(283.5mA)	<0.15%Imax(472.5mA)	<0.15%Imax(567mA)	<0.15%Imax(756mA)	<0.15%Imax(945mA)
Line Regulation	Voltage	<0.02%Umax(150mV)				
	Current	<0.05%Imax(94.5mA)	<0.05%Imax(157.5mA)	<0.05%Imax(189mA)	<0.05%Imax(252mA)	<0.05%Imax(315mA)
Voltage Setting	Range	0~787.5V(0~105%)				
	Resolution	0.001V (F.S. ≤999.999V), 0.01V(F.S. > 999.999V)				
	Accuracy	<0.1% Umax (750mV)				
Current Setting	Range	0~198.45A(0~105%)	0~330.75A(0~105%)	0~396.9A(0~105%)	0~529.2A(0~105%)	0~661.5A(0~105%)
	Resolution	0.001A(F.S. ≤ 999.999A), 0.01A(F.S. > 999.999A)				
	Accuracy	<0.2%Imax (378mA)	<0.2%Imax(630mA)	<0.2%Imax(756mA)	<0.2%Imax(1008mA)	<0.2%Imax(1260mA)
Power Setting	Range	0~56700W(0~105%)	0~94500W(0~105%)	0~113400W(0~105%)	0~151200W(0~105%)	0~189000W(0~105%)
	Resolution	0.1W(F.S. ≤ 99.9KW), 1W(F.S. > 99.9KW)				
	Accuracy	<0.5%F.S.+ 270W	<0.5%F.S.+ 450W	<0.5%F.S.+ 540W	<0.5%F.S.+ 720W	<0.5%F.S.+ 900W
Ro Setting	Range	0~120Ω	0~71Ω	0~60Ω	0~45Ω	0~36Ω
	Resolution	0.0001Ω				
	Accuracy	R< 2%Rmax,I<0.3%Imax				
Ripple[3]	Voltage	<1500mVpp, <375mVrms	<2500mVpp, <625mVrms	<3000mVpp, <750mVrms	<4000mVpp, <1000mVrms	<5000mVpp, <1250mVrms
	Current	NA				
Measurement						
Voltage	Range	0~787.5V(0~105%)				
	Resolution	0.001V (F.S. ≤999.999V), 0.01V(F.S. > 999.999V)				
	Accuracy	<0.1%Umax(750mV)				
Current	Range	0~198.45A(0~105%)	0~330.75A(0~105%)	0~396.9A(0~105%)	0~529.2A(0~105%)	0~661.5A(0~105%)
	Resolution	0.001A(F.S. ≤ 999.999A), 0.01A(F.S. > 999.999A)				
	Accuracy	<0.2%Imax(378mA)	<0.2%Imax(630mA)	<0.2%Imax(756mA)	<0.2%Imax(1008mA)	<0.2%Imax(1260mA)
Ro	Range	0~120Ω	0~71Ω	0~60Ω	0~45Ω	0~36Ω
	Resolution	0.0001Ω				
	Accuracy	R<2%Rmax,I<0.3%Imax				

MODEL		SPSM750VDC54000W-3-18	SPSM750VDC90000W-3-24	SPSM750VDC108000W-3-30	SPSM750VDC144000W-3-36	SPSM750VDC180000W-3-42
Power	Range	0~56700W(0~105%)	0~94500W(0~105%)	0~113400W(0~105%)	0~151200W(0~105%)	0~189000W(0~105%)
	Resolution	0.1W(F.S. ≤ 99.9KW), 1W(F.S. > 99.9KW)				
	Accuracy	<0.5%F.S.+ 270W	<0.5%F.S.+ 450W	<0.5%F.S.+ 540W	<0.5%F.S.+ 720W	<0.5%F.S.+ 900W
Sink Function						
Input Voltage		0~750V				
Input Current		0~75A	0~125A	0~150A	0~200A	0~250A
Input Power		0~2925W	0~4875W	0~5850W	0~7800W	0~9750W
Min.Operating Voltage		5V@75A	5V@125A	5V@150A	5V@200A	5V@250A
CC Resolution		9mA	15mA	18mA	24mA	30mA
CC Accuracy		<0.2%Imax(150mA)	<0.2%Imax(250mA)	<0.2%Imax(300mA)	<0.2%Imax(400mA)	<0.2%Imax(500mA)
CV Resolution		< 4mV				
CV Accuracy		<0.1%Umax(750mV)				
CP Resolution		4.5W	7.5W	9W	12W	15W
CP Accuracy		<0.5%Pmax(14625mW)	<0.5%Pmax(24375mW)	<0.5%Pmax(29250mW)	<0.5%Pmax(39000mW)	<0.5%Pmax(48750mW)
Slew Rate		0.01~2.5A/us				
Dynamic Mode		20~50ms				
General						
Graphic Display		4.3" Color touch LCD				
Operation Key Feature		Soft keys, Numberic keys, Rotary knod, USB port for transfer and upgrading firmware				
Rack Mount Handles		Yes				
FAN		Temperature control				
Protection		OCP, OVP, OPP, OTP, HARD FAIL				
Interface		RS232/RS485/USB(Standard), GPIB/LAN(Optional), CAN(Optional)				
Command Response Time		<3ms				
Emergency Stop Button		Yes				
Environmental						
Operating Temperature		0°C~40°C				
Storage Temperature		-20°C~70°C				
Altitude		<2000m				
Relative Humidity		<95%RH(Non-condensing)@35°C, <80%RH(Non-condensing)@40°C				
Noise		50dB Min, 80dB Max	52dB Min, 82dB Max	53dB Min, 83dB Max	55dB Min, 85dB Max	56dB Min, 86dB Max
Temperature Coefficient		100ppm/°C at Voltage, 300ppm/°C at Current				
Mechanical						
Dimensions(W x H x D)		560.0x790.0x920.0 mm	560.0x1056.0x920.0 mm	560.0x1324.0x920.0 mm	560.0x1590.0x920.0 mm	560.0x1857.0x920.0 mm
Package Dimensions (W x H x D)		/	/	/	/	/
Unit Weight		/	/	/	/	/
Shipping Weight		/	/	/	/	/
Regulatory Compliance						
CE Mark		Installation Overvoltage Category II; Class II equipment; indoor use only.				

[1] For different input voltage standard option must be specified at the time of order as they are installed at the factory prior to shipment.
[2] Load transient from 0% to 100% of rated output.
[3] Vrms @ 300kHz, Vpp @ 20MHz, Arms @ 300kHz.
All specifications are subject to change without notice.

SPS-M/A Series DC Power Supply System

MODEL		SPSM1000VDC36000W-3-18	SPSM1000VDC60000W-3-24	SPSM1000VDC72000W-3-30	SPSM1000VDC96000W-3-36	SPSM1000DC120000W-3-42
Input						
Voltage[1]		3P208 187~265VAC				
		3P400 340~460VAC				
		▵Connect				
Frequency		45~65Hz				
Phase		3 Phase, 3Wire+Groud, ▵Connect				
Power Factor		>0.99(Rate Input Voltage, Full Load)				
Max.Current[1]		3P208 L1, L2,L3-123A	3P208 L1, L2,L3-200A	3P208 L1, L2,L3-247A	3P208 L1,L2,L3-330A	3P208 L1,L2,L3-414A
		3P400 L1, L2,L3-67A	3P400 L1, L2,L3-100A	3P400 L1, L2,L3-132A	3P400 L1,L2,L3-175A	3P400 L1,L2,L3-221A
Input Power Max		45KVA	75KVA	90KVA	120KVA	150KVA
Efficiency[1]		3P208 ~92%@1000V, 3P208 ~90%@96A	3P208 ~92%@1000V, 3P208 ~90%@160A	3P208 ~92%@1000V, 3P208 ~90%@192A	3P208 ~92%@1000V, 3P208 ~90%@256A	3P208 ~92%@1000V, 3P208 ~90%@320A
		3P400 ~93.5%@1000V, 3P400 ~92%@96A	3P400 ~93.5%@1000V, 3P400 ~92%@160A	3P400 ~93.5%@1000V, 3P400 ~92%@192A	3P400 ~93.5%@1000V, 3P400 ~92%@256A	3P400 ~93.5%@1000V, 3P400 ~92%@320A
Output						
Output Voltage		0~1000V				
Output Current		0~96A	0~160A	0~192A	0~256A	0~320A
Output Power		0~36000W	0~60000W	0~72000W	0~96000W	0~120000W
Ro		0~312.5Ω	0~187.5Ω	0~156.25Ω	0~117.19Ω	0~93.75Ω
Load Regulation[2]	Voltage	1500mV	2500mV	3000mV	4000mV	5000mV
	Current	<0.15%Imax(144mA)	<0.15%Imax(240mA)	<0.15%Imax(288mA)	<0.15%Imax(384mA)	<0.15%Imax(480mA)
Line Regulation	Voltage	<0.02%Umax(200mV)				
	Current	<0.05%Imax(48mA)	<0.05%Imax(80mA)	<0.05%Imax(96mA)	<0.05%Imax(128mA)	<0.05%Imax(160mA)
Voltage Setting	Range	0~1050V(0~105%)				
	Resolution	0.001V (F.S. ≤999.999V), 0.01V(F.S. > 999.999V)				
	Accuracy	<0.1% Umax (1000mV)				
Current Setting	Range	0~100.8A(0~105%)	0~168A(0~105%)	0~201.6A(0~105%)	0~268.8A(0~105%)	0~336A(0~105%)
	Resolution	0.001A(F.S. ≤ 999.999A), 0.01A(F.S. > 999.999A)				
	Accuracy	<0.2%Imax(192mA)	<0.2%Imax(320mA)	<0.2%Imax(384mA)	<0.2%Imax(512mA)	<0.2%Imax(640mA)
Power Setting	Range	0~37800W(0~105%)	0~63000W(0~105%)	0~75600W(0~105%)	0~100800W(0~105%)	0~126000W(0~105%)
	Resolution	0.1W(F.S. ≤ 99.9KW), 1W(F.S. > 99.9KW)				
	Accuracy	<0.5%F.S.+ 270W	<0.5%F.S.+ 450W	<0.5%F.S.+ 540W	<0.5%F.S.+ 720W	<0.5%F.S.+ 900W
Ro Setting	Range	0~312.5Ω	0~187.5Ω	0~156.25Ω	0~117.19Ω	0~93.75Ω
	Resolution	0.0001Ω				
	Accuracy	R<2%Rmax,I<0.3%Imax				
Ripple[3]	Voltage	<2250mVpp, <480mVrms	<3750mVpp, <800mVrms	<4500mVpp, <960mVrms	<6000mVpp, <1280mVrms	<7500mVpp, <1600mVrms
	Current	NA				
Measurement						
Voltage	Range	0~1050V(0~105%)				
	Resolution	0.001V (F.S. ≤999.999V), 0.01V(F.S. > 999.999V)				
	Accuracy	<0.1% Umax (1000mV)				
Current	Range	0~100.8A(0~105%)	0~168A(0~105%)	0~201.6A(0~105%)	0~268.8A(0~105%)	0~336A(0~105%)
	Resolution	0.001A(F.S. ≤ 999.999A), 0.01A(F.S. > 999.999A)				
	Accuracy	<0.2%Imax(192mA)	<0.2%Imax(320mA)	<0.2%Imax(384mA)	<0.2%Imax(512mA)	<0.2%Imax(640mA)
Ro	Range	0~312.5Ω	0~187.5Ω	0~156.25Ω	0~117.19Ω	0~93.75Ω
	Resolution	0.0001Ω				
	Accuracy	R<2%Rmax,I<0.3%Imax				

MODEL		SPSM1000VDC36000W-3-18	SPSM1000VDC60000W-3-24	SPSM1000VDC72000W-3-30	SPSM1000VDC96000W-3-36	SPSM1000DC120000W-3-42
Power	Range	0~37800W(0~105%)	0~63000W(0~105%)	0~75600W(0~105%)	0~100800W(0~105%)	0~126000W((0~105%)
	Resolution	0.1W(F.S. ≤ 99.9KW), 1W(F.S. > 99.9KW)				
	Accuracy	<0.5%F.S.+ 270W	<0.5%F.S.+ 450W	<0.5%F.S.+ 540W	<0.5%F.S.+ 720W	<0.5%F.S.+ 900W
General						
Graphic Display		4.3" Color touch LCD				
Operation Key Feature		Soft keys, Numberic keys, Rotary knod, USB port for transfer and upgrading firmware				
Rack Mount Handles		Yes				
FAN		Temperature control				
Protection		OCP, OVP, OPP, OTP, HARD FAIL				
Interface		RS232/RS485/USB(Standard), GPIB/LAN(Optional), CAN(Optional)				
Command Response Time		<3ms				
Emergency Stop Button		Yes				
Environmental						
Operating Temperature		0°C~40°C				
Storage Temperature		-20°C~70°C				
Altitude		<2000m				
Relative Humidity		<95%RH(Non-condensing)@35°C, <80%RH(Non-condensing)@40°C				
Noise		50dB Min, 78dB Max	52dB Min, 80dB Max	53dB Min, 81dB Max	55dB Min, 83dB Max	56dB Min, 84dB Max
Temperature Coefficient		100ppm/°C at Voltage, 300ppm/°C at Current				
Mechanical						
Dimensions(W x H x D)		560.0x790.0x920.0 mm	560.0x1056.0x920.0 mm	560.0x1324.0x920.0 mm	560.0x1590.0x920.0 mm	560.0x1857.0x920.0 mm
Package Dimensions (W x H x D)		/	/	/	/	/
Unit Weight		/	/	/	/	/
Shipping Weight		/	/	/	/	/
Regulatory Compliance						
CE Mark		Installation Overvoltage Category II; Class II equipment; indoor use only.				

[1] For different input voltage standard option must be specified at the time of order as they are installed at the factory prior to shipment.
[2] Load transient from 0% to 100% of rated output.
[3] Vrms @ 300kHz, Vpp @ 20MHz, Arms @ 300kHz.
All specifications are subject to change without notice.

SPS-M/A Series DC Power Supply System

MODEL		SPSM1500VDC54000W-3-18	SPSM1500VDC90000W-3-24	SPSM1500VDC108000W-3-30	SPSM1500VDC144000W-3-36	SPSM1500DC180000W-3-42
Input						
Voltage[1]		3P208 187~265VAC				
		3P400 340~460VAC				
		▵Connect				
Frequency		45~65Hz				
Phase		3 Phase, 3Wire+Groud, ▵Connect				
Power Factor		>0.99(Rate Input Voltage, Full Load)				
Max.Current[1]		3P208 L1, L2,L3-180A	3P208 L1, L2,L3-300A	3P208 L1, L2,L3-400A	3P208 L1,L2,L3-480A	3P208 L1,L2,L3-600A
		3P400 L1, L2,L3-90A	3P400 L1, L2,L3-150A	3P400 L1, L2,L3-180A	3P400 L1,L2,L3-240A	3P400 L1,L2,L3-300A
Input Power Max		67KVA	112KVA	135KVA	180KVA	225KVA
Efficiency[1]		3P208 ~92%@1500V, 3P208 ~90%@96A	3P208 ~92%@1500V, 3P208 ~90%@160A	3P208 ~92%@1500V, 3P208 ~90%@192A	3P208 ~92%@1500V, 3P208 ~90%@256A	3P208 ~92%@1500V, 3P208 ~90%@320A
		3P400 ~93.5%@1500V, 3P400 ~92%@96A	3P400 ~93.5%@1500V, 3P400 ~92%@160A	3P400 ~93.5%@1500V, 3P400 ~92%@192A	3P400 ~93.5%@1500V, 3P400 ~92%@256A	3P400 ~93.5%@1500V, 3P400 ~92%@320A
Output						
Output Voltage		0~1500V				
Output Current		0~96A	0~160A	0~192A	0~256A	0~320A
Output Power		0~54000W	0~90000W	0~108000W	0~144000W	0~180000W
Ro		0~468.75Ω	0~281.25Ω	0~234.38Ω	0~175.79Ω	0~140.63Ω
Load Regulation[2]	Voltage	2250mV	3750mV	4500mV	6000mV	7500mV
	Current	<0.15%Imax(144mA)	<0.15%Imax(240mA)	<0.15%Imax(288mA)	<0.15%Imax(384mA)	<0.15%Imax(480mA)
Line Regulation	Voltage	<0.02%Umax(300mV)				
	Current	<0.05%Imax(48mA)	<0.05%Imax(80mA)	<0.05%Imax(96mA)	<0.05%Imax(128mA)	<0.05%Imax(160mA)
Voltage Setting	Range	0~1575V(0~105%)				
	Resolution	0.001V (F.S. ≤999.999V), 0.01V(F.S. > 999.999V)				
	Accuracy	<0.1% Umax (1500mV)				
Current Setting	Range	0~100.8A(0~105%)	0~168A(0~105%)	0~201.6A(0~105%)	0~268.8A(0~105%)	0~336A(0~105%)
	Resolution	0.001A(F.S. ≤ 999.999A), 0.01A(F.S. > 999.999A)				
	Accuracy	<0.2%Imax(192mA)	<0.2%Imax(320mA)	<0.2%Imax(384mA)	<0.2%Imax(512mA)	<0.2%Imax(640mA)
Power Setting	Range	0~56700W(0~105%)	0~94500W(0~105%)	0~113400W(0~105%)	0~151200W(0~105%)	0~189000W(0~105%)
	Resolution	0.1W(F.S. ≤ 99.9KW), 1W(F.S. > 99.9KW)				
	Accuracy	<0.5%F.S.+ 270W	<0.5%F.S.+ 450W	<0.5%F.S.+ 540W	<0.5%F.S.+ 720W	<0.5%F.S.+ 900W
Ro Setting	Range	0~468.75Ω	0~281.25Ω	0~234.38Ω	0~175.79Ω	0~140.63Ω
	Resolution	0.0001Ω				
	Accuracy	R<2%Rmax,I<0.3%Imax				
Ripple[3]	Voltage	<2925mVpp, <975mVrms	<4875mVpp, <1625mVrms	<5850mVpp, <1950mVrms	<7800mVpp, <2600mVrms	<9750mVpp, <3250mVrms
	Current	NA				
Measurement						
Voltage	Range	0~1575V(0~105%)				
	Resolution	0.001V (F.S. ≤999.999V), 0.01V(F.S. > 999.999V)				
	Accuracy	<0.1% Umax (1500mV)				
Current	Range	0~100.8A(0~105%)	0~168A(0~105%)	0~201.6A(0~105%)	0~268.8A(0~105%)	0~336A(0~105%)
	Resolution	0.001A(F.S. ≤ 999.999A), 0.01A(F.S. > 999.999A)				
	Accuracy	<0.2%Imax(192mA)	<0.2%Imax(320mA)	<0.2%Imax(384mA)	<0.2%Imax(512mA)	<0.2%Imax(640mA)
Ro	Range	0~468.75Ω	0~281.25Ω	0~234.38Ω	0~175.79Ω	0~140.63Ω
	Resolution	0.0001Ω				
	Accuracy	R<2%Rmax,I<0.3%Imax				

MODEL		SPSM1500VDC54000W-3-18	SPSM1500VDC90000W-3-24	SPSM1500VDC108000W-3-30	SPSM1500VDC144000W-3-36	SPSM1500DC180000W-3-42
Power	Range	0~56700W(0~105%)	0~94500W(0~105%)	0~113400W(0~105%)	0~151200W(0~105%)	0~189000W((0~105%)
	Resolution	0.1W(F.S. ≤ 99.9KW), 1W(F.S. > 99.9KW)				
	Accuracy	<0.5%F.S.+ 270W	<0.5%F.S.+450W	<0.5%F.S.+ 540W	<0.5%F.S.+ 720W	<0.5%F.S.+ 900W
General						
Graphic Display		4.3" Color touch LCD				
Operation Key Feature		Soft keys, Numberic keys, Rotary knod, USB port for transfer and upgrading firmware				
Rack Mount Handles		Yes				
FAN		Temperature control				
Protection		OCP, OVP, OPP, OTP, HARD FAIL				
Interface		RS232/RS485/USB(Standard), GPIB/LAN(Optional), CAN(Optional)				
Command Response Time		<3ms				
Emergency Stop Button		Yes				
Environmental						
Operating Temperature		0°C~40°C				
Storage Temperature		-20°C~70°C				
Altitude		<2000m				
Relative Humidity		<95%RH(Non-condensing)@35°C, <80%RH(Non-condensing)@40°C				
Noise		50dB Min, 80dB Max	52dB Min, 82dB Max	53dB Min, 83dB Max	55dB Min, 85dB Max	56dB Min, 86dB Max
Temperature Coefficient		100ppm/°C at Voltage, 300ppm/°C at Current				
Mechanical						
Dimensions(W x H x D)		560.0x790.0x920.0 mm	560.0x1056.0x920.0 mm	560.0x1324.0x920.0 mm	560.0x1590.0x920.0 mm	560.0x1857.0x920.0 mm
Package Dimensions (W x H x D)		/	/	/	/	/
Unit Weight		/	/	/	/	/
Shipping Weight		/	/	/	/	/
Regulatory Compliance						
CE Mark		Installation Overvoltage Category II; Class II equipment; indoor use only.				

[1] For different input voltage standard option must be specified at the time of order as they are installed at the factory prior to shipment.
[2] Load transient from 0% to 100% of rated output.
[3] Vrms @ 300kHz, Vpp @ 20MHz, Arms @ 300kHz.
All specifications are subject to change without notice.

SPS-M/A Series DC Power Supply System

MODEL		SPSM2250VDC54000W-3-18	SPSM2250VDC90000W-3-24	SPSM2250VDC108000W-3-30	SPSM2250VDC144000W-3-36	SPSM2250DC180000W-3-42
Input						
Voltage[1]		3P208 187~265VAC				
		3P400 340~460VAC				
		▵Connect				
Frequency		45~65Hz				
Phase		3 Phase, 3Wire+Groud, ▵Connect				
Power Factor		>0.99(Rate Input Voltage, Full Load)				
Max.Current[1]		3P208 L1, L2,L3-180A	3P208 L1, L2,L3-300A	3P208 L1, L2,L3-400A	3P208 L1,L2,L3-480A	3P208 L1,L2,L3-600A
		3P400 L1, L2,L3-90A	3P400 L1, L2,L3-150A	3P400 L1, L2,L3-180A	3P400 L1,L2,L3-240A	3P400 L1,L2,L3-300A
Input Power Max		67KVA	112KVA	135KVA	180KVA	225KVA
Efficiency[1]		3P208 92%@2250V, 3P208 90.5%@63A	3P208 92%@2250V, 3P208 90.5%@105A	3P208 92%@2250V, 3P208 90.5%@126A	3P208 92%@2250V, 3P208 90.5%@168A	3P208 92%@2250V, 3P208 90.5%@210A
		3P400 92.5%@2250V, 3P400 91.5%@63A	3P400 92.5%@2250V, 3P400 91.5%@105A	3P400 92.5%@2250V, 3P400 91.5%@126A	3P400 92.5%@2250V, 3P400 91.5%@168A	3P400 92.5%@2250V, 3P400 91.5%@210A
Output						
Output Voltage		0~2250V				
Output Current		0~63A	0~105A	0~126A	0~168A	0~210A
Output Power		0~54000W	0~90000W	0~108000W	0~144000W	0~180000W
Ro		0~1072Ω	0~642Ω	0~536Ω	0~402Ω	0~322Ω
Load Regulation[2]	Voltage	2850mV	4750mV	5700mV	7600mV	9500mV
	Current	<0.15%Imax(94.5mA)	<0.15%Imax(157.5mA)	<0.15%Imax(189mA)	<0.15%Imax(252mA)	<0.15%Imax(315mA)
Line Regulation	Voltage	<0.02%Umax(450mV)				
	Current	<0.05%Imax(31.5mA)	<0.05%Imax(52.5mA)	<0.05%Imax(63mA)	<0.05%Imax(84mA)	<0.05%Imax(105mA)
Voltage Setting	Range	0~2362.5V(0~105%)				
	Resolution	0.001V (F.S. ≤999.999V), 0.01V(F.S. > 999.999V)				
	Accuracy	<0.1% Umax (2250mV)				
Current Setting	Range	0~66.15A(0~105%)	0~110.25A(0~105%)	0~132.3A(0~105%)	0~176.4A(0~105%)	0~220.5A(0~105%)
	Resolution	0.001A(F.S. ≤ 999.999A), 0.01A(F.S. > 999.999A)				
	Accuracy	<0.2%Imax(126mA)	<0.2%Imax(210mA)	<0.2%Imax(252mA)	<0.2%Imax(336mA)	<0.2%Imax(420mA)
Power Setting	Range	0~56700W(0~105%)	0~945000W(0~105%)	0~113400W(0~105%)	0~151200W(0~105%)	0~189000W(0~105%)
	Resolution	0.1W(F.S. ≤ 99.9KW), 1W(F.S. > 99.9KW)				
	Accuracy	<0.5%F.S.+ 270W	<0.5%F.S.+ 450W	<0.5%F.S.+ 540W	<0.5%F.S.+ 720W	<0.5%F.S.+ 900W
Ro Setting	Range	0~1072Ω	0~642Ω	0~536Ω	0~402Ω	0~322Ω
	Resolution	0.0001Ω				
	Accuracy	R<2%Rmax,I<0.3%Imax				
Ripple[3]	Voltage	<4800mVpp, <1125mVrms	<8000mVpp, <1875mVrms	<9600mVpp, <2250mVrms	<12800mVpp, <3000mVrms	<16000mVpp, <3750mVrms
	Current	NA				
Measurement						
Voltage	Range	0~2362.5V(0~105%)				
	Resolution	0.001V (F.S. ≤999.999V), 0.01V(F.S. > 999.999V)				
	Accuracy	<0.1% Umax (2250mV)				
Current	Range	0~66.15A(0~105%)	0~110.25A(0~105%)	0~132.3A(0~105%)	0~176.4A(0~105%)	0~220.5A(0~105%)
	Resolution	0.001A(F.S. ≤ 999.999A), 0.01A(F.S. > 999.999A)				
	Accuracy	<0.2%Imax(126mA)	<0.2%Imax(210mA)	<0.2%Imax(252mA)	<0.2%Imax(336mA)	<0.2%Imax(420mA)
Ro	Range	0~1072Ω	0~642Ω	0~536Ω	0~402Ω	0~322Ω
	Resolution	0.0001Ω				
	Accuracy	R<2%Rmax,I<0.3%Imax				

MODEL		SPSM2250VDC54000W-3-18	SPSM2250VDC90000W-3-24	SPSM2250VDC108000W-3-30	SPSM2250VDC144000W-3-36	SPSM2250DC180000W-3-42
Power	Range	0~56700W(0~105%)	0~945000W(0~105%)	0~113400W(0~105%)	0~151200W(0~105%)	0~189000W((0~105%)
	Resolution	0.1W(F.S. ≤ 99.9KW), 1W(F.S. > 99.9KW)				
	Accuracy	<0.5%F.S.+ 270W	<0.5%F.S.+ 450W	<0.5%F.S.+ 540W	<0.5%F.S.+ 720W	<0.5%F.S.+ 900W
General						
Graphic Display		4.3" Color touch LCD				
Operation Key Feature		Soft keys, Numberic keys, Rotary knod, USB port for transfer and upgrading firmware				
Rack Mount Handles		Yes				
FAN		Temperature control				
Protection		OCP, OVP, OPP, OTP, HARD FAIL				
Interface		RS232/RS485/USB(Standard), GPIB/LAN(Optional), CAN(Optional)				
Command Response Time		<3ms				
Emergency Stop Button		Yes				
Environmental						
Operating Temperature		0°C~40°C				
Storage Temperature		-20°C~70°C				
Altitude		<2000m				
Relative Humidity		<95%RH(Non-condensing)@35°C, <80%RH(Non-condensing)@40°C				
Noise		50dB Min, 80dB Max	52dB Min, 82dB Max	53dB Min, 83dB Max	55dB Min, 85dB Max	56dB Min, 86dB Max
Temperature Coefficient		100ppm/°C at Voltage, 300ppm/°C at Current				
Mechanical						
Dimensions(W x H x D)		560.0x790.0x920.0 mm	560.0x1056.0x920.0 mm	560.0x1324.0x920.0 mm	560.0x1590.0x920.0 mm	560.0x1857.0x920.0 mm
Package Dimensions (W x H x D)		/	/	/	/	/
Unit Weight		/	/	/	/	/
Shipping Weight		/	/	/	/	/
Regulatory Compliance						
CE Mark		Installation Overvoltage Category II; Class II equipment; indoor use only.				

[1] For different input voltage standard option must be specified at the time of order as they are installed at the factory prior to shipment.
[2] Load transient from 0% to 100% of rated output.
[3] Vrms @ 300kHz, Vpp @ 20MHz, Arms @ 300kHz.
All specifications are subject to change without notice.

SPS-M/A Series DC Power Supply System

MODEL		SPSA80VDC54000W-3-18	SPSA80VDC90000W-3-24	SPSA80VDC108000W-3-30	SPSA80VDC144000W-3-36	SPSA80DC180000W-3-42
Input						
Voltage[1]		3P208 187~265VAC				
		3P400 340~460VAC				
		▵Connect				
Frequency		45~65Hz				
Phase		3 Phase, 3Wire+Groud, ▵Connect				
Power Factor		>0.99(Rate Input Voltage, Full Load)				
Max.Current[1]		3P208 L1,L2,L3-180A	3P208 L1,L2,L3-300A	3P208 L1,L2,L3-400A	3P208 L1,L2,L3-480A	3P208 L1,L2,L3-600A
		3P400 L1,L2,L3-90A	3P400 L1,L2,L3-150A	3P400 L1,L2,L3-180A	3P400 L1,L2,L3-240A	3P400 L1,L2,L3-300A
Input Power Max		67KVA	112KVA	135KVA	180KVA	225KVA
Efficiency[1]		3P208 ~90.5%@80V, 3P208 ~86.5%@1800A	3P208 ~90.5%@80V, 3P208 ~86.5%@3000A	3P208 ~90.5%@80V, 3P208 ~86.5%@3000A	3P208 ~90.5%@80V, 3P208 ~86.5%@3000A	3P208 ~90.5%@80V, 3P208 ~86.5%@3000A
		3P400 ~92.2%@80V, 3P400 ~87.8%@1800A	3P400 ~92.2%@80V, 3P400 ~87.8%@3000A	3P400 ~92.2%@80V, 3P400 ~87.8%@3000A	3P400 ~92.2%@80V, 3P400 ~87.8%@3000A	3P400 ~92.2%@80V, 3P400 ~87.8%@3000A
Output						
Output Voltage		0~80V				
Output Current[2]		0~1800A	0~3000A	0~3000A	0~3000A	0~3000A
Output Power		0~54000W	0~90000W	0~108000W	0~144000W	0~180000W
Ro		0~1.4Ω	0~0.8Ω	0~0.7Ω	0~0.5Ω	0~0.4Ω
Load Regulation[3]	Voltage	120mV	200mV	240mV	320mV	400mV
	Current	<0.15%Imax(2700mA)	<0.15%Imax(4500mA)	<0.15%Imax(4500mA)	<0.15%Imax(4500mA)	<0.15%Imax(4500mA)
Line Regulation	Voltage	<0.02%Umax(16mV)				
	Current	<0.05%Imax(900mA)	<0.05%Imax(1500mA)	<0.05%Imax(1500mA)	<0.05%Imax(1500mA)	<0.05%Imax(1500mA)
Voltage Setting	Range	0~84V(0~105%)				
	Resolution	0.001V (F.S. ≤ 999.999V)				
	Accuracy	<0.1% Umax(80mV)				
Current Setting	Range	0~1836A(0~102%)	0~3060A(0~102%)	0~3060A(0~102%)	0~3060A(0~102%)	0~3060A(0~102%)
	Resolution	0.001A(F.S. ≤ 999.999A), 0.01A(F.S. > 999.999A)				
	Accuracy	<0.2%Imax(3600mA)	<0.2%Imax(6000mA)	<0.2%Imax(6000mA)	<0.2%Imax(6000mA)	<0.2%Imax(6000mA)
Power Setting	Range	0~56700W(0~105%)	0~94500W(0~105%)	0~113400W(0~105%)	0~151200W(0~105%)	0~189000W(0~105%)
	Resolution	0.1W(F.S. ≤ 99.9KW), 1W(F.S. > 99.9KW)				
	Accuracy	<0.5%F.S.+ 270W	<0.5%F.S.+ 450W	<0.5%F.S.+ 540W	<0.5%F.S.+ 720W	<0.5%F.S.+ 900W
Ro Setting	Range	0~1.4Ω	0~0.8Ω	0~0.7Ω	0~0.5Ω	0~0.4Ω
	Resolution	0.0001Ω				
	Accuracy	R<2%Rmax,I<0.3%Imax				
Ripple[4]	Voltage	<480mVpp, <37.5mVrms	<800mVpp, <62.5mVrms	<960mVpp, <75mVrms	<1280mVpp, <100mVrms	<1600mVpp, <125mVrms
	Current	NA				
Measurement						
Voltage	Range	0~84V(0~105%)				
	Resolution	0.001V (F.S. ≤ 999.999V)				
	Accuracy	<0.1%Umax(80mV)				
Current	Range	0~1836A(0~102%)	0~3060A(0~102%)	0~3060A(0~102%)	0~3060A(0~102%)	0~3060A(0~102%)
	Resolution	0.001A(F.S. ≤ 999.999A), 0.01A(F.S. > 999.999A)				
	Accuracy	<0.2%Imax(3600mA)	<0.2%Imax(6000mA)	<0.2%Imax(6000mA)	<0.2%Imax(6000mA)	<0.2%Imax(6000mA)
Ro	Range	0~1.4Ω	0~0.8Ω	0~0.7Ω	0~0.5Ω	0~0.4Ω
	Resolution	0.0001Ω				
	Accuracy	R<2%Rmax,I<0.3%Imax				

MODEL		SPSA80VDC54000W-3-18	SPSA80VDC90000W-3-24	SPSA80VDC108000W-3-30	SPSA80VDC144000W-3-36	SPSA80DC180000W-3-42
Power	Range	0~56700W(0~105%)	0~94500W(0~105%)	0~113400W(0~105%)	0~151200W(0~105%)	0~189000W(0~105%)
	Resolution	0.1W(F.S. ≤ 99.9KW), 1W(F.S. > 99.9KW)				
	Accuracy	<0.5%F.S.+ 270W	<0.5%F.S.+450W	<0.5%F.S.+ 540W	<0.5%F.S.+ 720W	<0.5%F.S.+ 900W
Sink Function						
Input Voltage		0~80V				
Input Current		0~900A	0~1500A	0~1800A	0~2400A	0~3000A
Input Power		0~3000W	0~5000W	0~6000W	0~8000W	0~10000W
Min.Operating Voltage		3V@900	3V@1500	3V@1800	3V@2400	3V@3000
CC Resolution		90mA	150mA	180mA	240mA	300mA
CC Accuracy		<0.2%Imax(1800mA)	<0.2%Imax(3000mA)	<0.2%Imax(3600mA)	<0.2%Imax(4800mA)	<0.2%Imax(6000mA)
CV Resolution		< 4mV				
CV Accuracy		<0.1%Umax(80mV)				
CP Resolution		4.5W	7.5W	9W	12W	15W
CP Accuracy		<0.5%Pmax(15000mW)	<0.5%Pmax(25000mW)	<0.5%Pmax(30000mW)	<0.5%Pmax(40000mW)	<0.5%Pmax(50000mW)
Slew Rate		0.01~2.5A/us				
Dynamic Mode		20~50ms				
Control & Supervisory Panel						
Model		CSP5		CSP8		
Environmental						
Operating Temperature[2]		0°C~40°C				
Storage Temperature		-20°C~70°C				
Altitude		< 2000m				
Relative Humidity		<95%RH(Non-condensing)@35°C, <80%RH(Non-condensing)@40°C				
Noise		50dB Min, 80dB Max	52dB Min, 82dB Max	53dB Min, 83dB Max	55dB Min, 85dB Max	56dB Min, 86dB Max
Temperature Coefficient		100ppm/°C at Voltage, 300ppm/°C at Current				
Mechanical						
Dimensions(W x H x D)		560.0x790.0x920.0 mm	560.0x1056.0x920.0 mm	560.0x1324.0x920.0 mm	560.0x1590.0x920.0 mm	560.0x1857.0x920.0 mm
Package Dimensions (W x H x D)		/	/	/	/	/
Unit Weight		/	/	/	/	/
Shipping Weight		/	/	/	/	/
Regulatory Compliance						
CE Mark		Installation Overvoltage Category II; Class II equipment; indoor use only.				

[1] For different input voltage standard option must be specified at the time of order as they are installed at the factory prior to shipment.
[2] It is recommended that the output current is derated by 10% when the operation environment is higher than30°C.
[3] Load transient from 0% to 100% of rated output.
[4] Vrms @ 300kHz, Vpp @ 20MHz, Arms @ 300kHz.
All specifications are subject to change without notice.

SPS-M/A Series DC Power Supply System

MODEL		SPSA165VDC36000W-3-18	SPSA165VDC60000W-3-24	SPSA165VDC72000W-3-30	SPSA165VDC96000W-3-36	SPSA165VDC120000W-3-42
Input						
Voltage[1]		3P208 187~265VAC				
		3P400 340~460VAC				
		▵Connect				
Frequency		45~65Hz				
Phase		3 Phase, 3Wire+Groud, ▵Connect				
Power Factor		>0.99(Rate Input Voltage, Full Load)				
Max.Current[1]		3P208 L1,L2,L3-123A	3P208 L1,L2,L3-200A	3P208 L1,L2,L3-247A	3P208 L1,L2,L3-330A	3P208 L1,L2,L3-414A
		3P400 L1,L2,L3-67A	3P400 L1,L2,L3-100A	3P400 L1,L2,L3-132A	3P400 L1,L2,L3-175A	3P400 L1,L2,L3-221A
Input Power Max		45KVA	75KVA	90KVA	120KVA	150KVA
Efficiency[1]		3P208 ~90.5%@165V, 3P208 ~85%@540A	3P208 ~90.5%@165V, 3P208 ~85%@900A	3P208 ~90.5%@165V, 3P208 ~85%@1080A	3P208 ~90.5%@165V, 3P208 ~85%@1440A	3P208 ~90.5%@165V, 3P208 ~85%@1800A
		3P400 ~91.5%@165V, 3P400 ~85.5%@540A	3P400 ~91.5%@165V, 3P400 ~85.5%@900A	3P400 ~91.5%@165V, 3P400 ~85.5%@1080A	3P400 ~91.5%@165V, 3P400 ~85.5%@1440A	3P400 ~91.5%@165V, 3P400 ~85.5%@1800A
Output						
Output Voltage		0~165V				
Output Current[2]		0~540A	0~900A	0~1080A	0~1440A	0~1800A
Output Power		0~36000W	0~60000W	0~72000W	0~96000W	0~120000W
Ro		0~9.2Ω	0~5.5Ω	0~4.6Ω	0~3.5Ω	0~2.8Ω
Load Regulation[3]	Voltage	247.5mV	412.5mV	495mV	660mV	825mV
	Current	<0.15%Imax(810mA)	<0.15%Imax(1350mA)	<0.15%Imax(1620mA)	<0.15%Imax(2160mA)	<0.15%Imax(2700mA)
Line Regulation	Voltage	<0.02%Umax(33mV)				
	Current	<0.05%Imax(270mA)	<0.05%Imax(450mA)	<0.05%Imax(540mA)	<0.05%Imax(720mA)	<0.05%Imax(900mA)
Voltage Setting	Range	0~173.25V(0~105%)				
	Resolution	0.001V (F.S. ≤999.999V)				
	Accuracy	<0.1% Umax (165mV)				
Current Setting	Range	0~567A(0~105%)	0~945A(0~105%)	0~1134A(0~105%)	0~1512A(0~105%)	0~1890A(0~105%)
	Resolution	0.001A(F.S. ≤ 999.999A), 0.01A(F.S. > 999.999A)				
	Accuracy	<0.2%Imax(1080mA)	<0.2%Imax(1800mA)	<0.2%Imax(2160mA)	<0.2%Imax(2880mA)	<0.2%Imax(3600mA)
Power Setting	Range	0~37800W(0~105%)	0~63000W(0~105%)	0~75600W(0~105%)	0~100800W(0~105%)	0~126000W(0~105%)
	Resolution	0.1W(F.S.≤ 99.9KW),1W(F.S. > 99.9KW)				
	Accuracy	<0.5%F.S.+ 270W	<0.5%F.S.+ 450W	<0.5%F.S.+ 540W	<0.5%F.S.+ 720W	<0.5%F.S.+ 900W
Ro Setting	Range	0~9.2Ω	0~5.5Ω	0~4.6Ω	0~3.5Ω	0~2.8Ω
	Resolution	0.0001Ω				
	Accuracy	R< 2%Rmax,I<0.3%Imax				
Ripple[4]	Voltage	<870mVpp, <75mVrms	<1350mVpp, <125mVrms	<1740mVpp, <150mVrms	<2320mVpp, <200mVrms	<2900mVpp, <250mVrms
	Current	NA				
Measurement						
Voltage	Range	0~173.25V(0~105%)				
	Resolution	0.001V F.S. ≤999.999V				
	Accuracy	<0.1% Umax (165mV)				
Current	Range	0~567A(0~105%)	0~945A(0~105%)	0~1134A(0~105%)	0~1512A(0~105%)	0~1890A(0~105%)
	Resolution	0.001A(F.S. ≤ 999.999A), 0.01A(F.S. > 999.999A)				
	Accuracy	<0.2%Imax(1080mA)	<0.2%Imax(1800mA)	<0.2%Imax(2160mA)	<0.2%Imax(2880mA)	<0.2%Imax(3600mA)
Ro	Range	0~9.2Ω	0~5.5Ω	0~4.6Ω	0~3.5Ω	0~2.8Ω
	Resolution	0.0001Ω				
	Accuracy	R<2%Rmax,I<0.3%Imax				

MODEL		SPSA165VDC36000W-3-18	SPSA165VDC60000W-3-24	SPSA165VDC72000W-3-30	SPSA165VDC96000W-3-36	SPSA165VDC120000W-3-42
Power	Range	0~37800W(0~105%)	0~63000W((0~105%)	0~75600W(0~105%)	0~100800W(0~105%)	0~126000W(0~105%)
	Resolution	0.1W(F.S.≤ 99.9KW), 1W(F.S. > 99.9KW)				
	Accuracy	<0.5%F.S.+ 270W	<0.5%F.S.+ 450W	<0.5%F.S.+ 540W	<0.5%F.S.+ 720W	<0.5%F.S.+ 900W
Control & Supervisory Panel						
Model		CSP5		CSP8		
Environmental						
Operating Temperature[2]		0°C~40°C				
Storage Temperature		-20°C~70°C				
Altitude		<2000m				
Relative Humidity		<95%RH(Non-condensing)@35°C, <80%RH(Non-condensing)@40°C				
Noise		50dB Min, 78dB Max	52dB Min, 80dB Max	53dB Min, 81dB Max	55dB Min, 83dB Max	56dB Min, 84dB Max
Temperature Coefficient		100ppm/°C at Voltage, 300ppm/°C at Current				
Mechanical						
Dimensions(W x H x D)		560.0x790.0x920.0 mm	560.0x1056.0x920.0 mm	560.0x1324.0x920.0 mm	560.0x1590.0x920.0 mm	560.0x1857.0x920.0 mm
Package Dimensions (W x H x D)		/	/	/	/	/
Unit Weight		/	/	/	/	/
Shipping Weight		/	/	/	/	/
Regulatory Compliance						
CE Mark		Installation Overvoltage Category II; Class II equipment; indoor use only.				

[1] For different input voltage standard option must be specified at the time of order as they are installed at the factory prior to shipment.
[2] It is recommended that the output current is derated by 10% when the operation environment is higher than30°C.
[3] Load transient from 0% to 100% of rated output.
[4] Vrms @ 300kHz, Vpp @ 20MHz, Arms @ 300kHz.
All specifications are subject to change without notice.

SPS-M/A Series DC Power Supply System

MODEL		SPSA250VDC54000W-3-18	SPSA250VDC90000W-3-24	SPSA250VDC108000W-3-30	SPSA250VDC144000W-3-36	SPSA250VDC180000W-3-42
Input						
Voltage[1]		3P208 187~265VAC				
		3P400 340~460VAC				
		▵Connect				
Frequency		45~65Hz				
Phase		3 Phase, 3Wire+Groud, ▵Connect				
Power Factor		>0.99(Rate Input Voltage, Full Load)				
Max.Current[1]		3P208 L1,L2,L3-180A	3P208 L1, L2,L3-300A	3P208 L1,L2,L3-400A	3P208 L1,L2,L3-480A	3P208 L1,L2,L3-600A
		3P400 L1,L2,L3-90A	3P400 L1,L2,L3-150A	3P400 L1,L2,L3-180A	3P400 L1,L2,L3-240A	3P400 L1,L2,L3-300A
Input Power Max		67KVA	112KVA	135KVA	180KVA	225KVA
Efficiency[1]		3P208 ~90.5%@250V, 3P208 ~85%@540A	3P208 ~90.5%@250V, 3P208 ~85%@900A	3P208 ~90.5%@250V, 3P208 ~85%@1080A	3P208 ~90.5%@250V, 3P208 ~85%@1440A	3P208 ~90.5%@250V, 3P208 ~85%@1800A
		3P400 ~91.5%@250V, 3P400 ~85.5%@540A	3P400 ~91.5%@250V, 3P400 ~85.5%@900A	3P400 ~91.5%@250V, 3P400 ~85.5%@1080A	3P400 ~91.5%@250V, 3P400 ~85.5%@1440A	3P400 ~91.5%@250V, 3P400 ~85.5%@1800A
Output						
Output Voltage		0~250V				
Output Current[2]		0~540A	0~900A	0~1080A	0~1440A	0~1800A
Output Power		0~54000W	0~90000W	0~108000W	0~144000W	0~180000W
Ro		0~13.9Ω	0~8.3Ω	0~7.0Ω	0~5.2Ω	0~4.2Ω
Load Regulation[3]	Voltage	375mV	625mV	750mV	1000mV	1250mV
	Current	<0.15%Imax(810mA)	<0.15%Imax(1350mA)	<0.15%Imax(1620mA)	<0.15%Imax(2160mA)	<0.15%Imax(2700mA)
Line Regulation	Voltage	<0.02%Umax(50mV)				
	Current	<0.05%Imax(270mA)	<0.05%Imax(450mA)	<0.05%Imax(540mA)	<0.05%Imax(720mA)	<0.05%Imax(900mA)
Voltage Setting	Range	0~262.5V(0~105%)				
	Resolution	0.001V (F.S. ≤999.999V)				
	Accuracy	<0.1% Umax(250mV)				
Current Setting	Range	0~567A(0~105%)	0~945A(0~105%)	0~1134A(0~105%)	0~1512A(0~105%)	0~1890A(0~105%)
	Resolution	0.001A(F.S. ≤ 999.999A), 0.01A(F.S. > 999.999A)				
	Accuracy	<0.2%Imax(1080mA)	<0.2%Imax(1800mA)	<0.2%Imax(2160mA)	<0.2%Imax(2880mA)	<0.2%Imax(3600mA)
Power Setting	Range	0~56700W(0~105%)	0~94500W(0~105%)	0~113400W(0~105%)	0~151200W(0~105%)	0~189000W(0~105%)
	Resolution	0.1W(F.S. ≤ 99.9KW), 1W(F.S. > 99.9KW)				
	Accuracy	<0.5%F.S.+ 270W	<0.5%F.S.+ 450W	<0.5%F.S.+ 540W	<0.5%F.S.+ 720W	<0.5%F.S.+ 900W
Ro Setting	Range	0~13.9Ω	0~8.3Ω	0~7.0Ω	0~5.2Ω	0~4.2Ω
	Resolution	0.0001Ω				
	Accuracy	R<2%Rmax,I<0.3%Imax				
Ripple[4]	Voltage	<825mVpp, <75mVrms	<2125mVpp, <187.5mVrms	<1650mVpp, <150mVrms	<2200mVpp, <200mVrms	<2750mVpp, <250mVrms
	Current	NA				
Measurement						
Voltage	Range	0~262.5V(0~105%)				
	Resolution	0.001V (F.S. ≤999.999V)				
	Accuracy	<0.1% Umax (250mV)				
Current	Range	0~567A(0~105%)	0~945A(0~105%)	0~1134A(0~105%)	0~1512A(0~105%)	0~1890A(0~105%)
	Resolution	0.001A(F.S. ≤ 999.999A), 0.01A(F.S. > 999.999A)				
	Accuracy	<0.2%Imax(1080mA)	<0.2%Imax(1800mA)	<0.2%Imax(2160mA)	<0.2%Imax(2880mA)	<0.2%Imax(3600mA)
Ro	Range	0~13.9Ω	0~8.3Ω	0~7.0Ω	0~5.2Ω	0~4.2Ω
	Resolution	0.0001Ω				
	Accuracy	R<2%Rmax,I<0.3%Imax				

MODEL		SPSA250VDC54000W-3-18	SPSA250VDC90000W-3-24	SPSA250VDC108000W-3-30	SPSA250VDC144000W-3-36	SPSA250VDC180000W-3-42
Power	Range	0~56700W(0~105%)	0~94500W(0~105%)	0~113400W(0~105%)	0~151200W(0~105%)	0~189000W(0~105%)
	Resolution	0.1W(F.S. ≤ 99.9KW), 1W(F.S. > 99.9KW)				
	Accuracy	<0.5%F.S.+ 270W	<0.5%F.S.+ 450W	<0.5%F.S.+ 540W	<0.5%F.S.+ 720W	<0.5%F.S.+ 900W
Control & Supervisory Panel						
Model		CSP5		CSP8		
Environmental						
Operating Temperature[2]		0°C~40°C				
Storage Temperature		-20°C~70°C				
Altitude		<2000m				
Relative Humidity		<95%RH(Non-condensing)@35°C, <80%RH(Non-condensing)@40°C				
Noise		50dB Min, 80dB Max	52dB Min, 82dB Max	53dB Min, 83dB Max	55dB Min, 85dB Max	56dB Min, 86dB Max
Temperature Coefficient		100ppm/°C at Voltage, 300ppm/°C at Current				
Mechanical						
Dimensions(W x H x D)		560.0x790.0x920.0 mm	560.0x1056.0x920.0 mm	560.0x1324.0x920.0 mm	560.0x1590.0x920.0 mm	560.0x1857.0x920.0 mm
Package Dimensions (W x H x D)		/	/	/	/	/
Unit Weight		/	/	/	/	/
Shipping Weight		/	/	/	/	/
Regulatory Compliance						
CE Mark		Installation Overvoltage Category II; Class II equipment; indoor use only.				

[1] For different input voltage standard option must be specified at the time of order as they are installed at the factory prior to shipment.
[2] It is recommended that the output current is derated by 10% when the operation environment is higher than30°C.
[3] Load transient from 0% to 100% of rated output.
[4] Vrms @ 300kHz, Vpp @ 20MHz, Arms @ 300kHz.
All specifications are subject to change without notice.

SPS-M/A Series DC Power Supply System

MODEL		SPSA360VDC54000W-3-18	SPSA360VDC90000W-3-24	SPSA360VDC108000W-3-30	SPSA360VDC144000W-3-36	SPSA360VDC180000W-3-42
Input						
Voltage[1]		3P208 187~265VAC				
		3P400 340~460VAC				
		▵Connect				
Frequency		45~65Hz				
Phase		3 Phase, 3Wire+Groud, ▵Connect				
Power Factor		>0.99(Rate Input Voltage, Full Load)				
Max.Current[1]		3P208 L1,L2,L3-180A	3P208 L1,L2,L3-300A	3P208 L1,L2,L3-400A	3P208 L1,L2,L3-480A	3P208 L1,L2,L3-600A
		3P400 L1,L2,L3-90A	3P400 L1,L2,L3-150A	3P400 L1,L2,L3-180A	3P400 L1,L2,L3-240A	3P400 L1,L2,L3-300A
Input Power Max		67KVA	112KVA	135KVA	180KVA	225KVA
Efficiency[1]		3P208 ~92.2%@360V, 3P208 ~90.5%@382.5A	3P208 ~92.2%@360V, 3P208 ~90.5%@637.5A	3P208 ~92.2%@360V, 3P208 ~90.5%@765A	3P208 ~92.2%@360V, 3P208 ~90.5%@1020A	3P208 ~92.2%@360V, 3P208 ~90.5%@1275A
		3P400 ~92.5%@360V, 3P400 ~91%@382.5A	3P400 ~92.5%@360V, 3P400 ~91%@637.5A	3P400 ~92.5%@360V, 3P400 ~91%@765A	3P400 ~92.5%@360V, 3P400 ~91%@1020A	3P400 ~92.5%@360V, 3P400 ~91%@1275A
Output						
Output Voltage		0~360V				
Output Current		0~382.5A	0~637.5A	0~765A	0~1020A	0~1275A
Output Power		0~54000W	0~90000W	0~108000W	0~144000W	0~180000W
Ro		0~28.2Ω	0~16.9Ω	0~14.1Ω	0~10.6Ω	0~8.5Ω
Load Regulation[2]	Voltage	540mV	900mV	1080mV	1440mV	1800mV
	Current	<0.15%Imax(574mA)	<0.15%Imax(956mA)	<0.15%Imax(1147mA)	<0.15%Imax(1530mA)	<0.15%Imax(1912mA)
Line Regulation	Voltage	<0.02%Umax(72mV)				
	Current	<0.05%Imax(191mA)	<0.05%Imax(318mA)	<0.05%Imax(382mA)	<0.05%Imax(510mA)	<0.05%Imax(637mA)
Voltage Setting	Range	0~378V(0~105%)				
	Resolution	0.001V (F.S. ≤999.999V)				
	Accuracy	<0.1% Umax (360mV)				
Current Setting	Range	0~401.6A(0~105%)	0~669.3A(0~105%)	0~803.2A(0~105%)	0~1071A(0~105%)	0~1338.7A(0~105%)
	Resolution	0.001A(F.S. ≤ 999.999A), 0.01A(F.S. > 999.999A)				
	Accuracy	<0.2%Imax (765mA)	<0.2%Imax(1275mA)	<0.2%Imax(1530mA)	<0.2%Imax(2040mA)	<0.2%Imax(2550mA)
Power Setting	Range	0~56700W(0~105%)	0~94500W(0~105%)	0~113400W(0~105%)	0~151200W(0~105%)	0~189000W(0~105%)
	Resolution	0.1W(F.S. ≤ 99.9KW), 1W(F.S. > 99.9KW)				
	Accuracy	<0.5%F.S.+ 270W	<0.5%F.S.+ 450W	<0.5%F.S.+ 540W	<0.5%F.S.+ 720W	<0.5%F.S.+ 900W
Ro Setting	Range	0~28.2Ω	0~16.9Ω	0~14.1Ω	0~10.5Ω	0~8.4Ω
	Resolution	0.0001Ω				
	Accuracy	R<2%Rmax,I<0.3%Imax				
Ripple[3]	Voltage	<480mVpp, <82.5mVrms	<800mVpp, <137.5mVrms	<960mVpp, <165mVrms	<1280mVpp, <220mVrms	<1600mVpp, <275mVrms
	Current	NA				
Measurement						
Voltage	Range	0~378V(0~105%)				
	Resolution	0.001V (F.S. ≤999.999V)				
	Accuracy	<0.1%Umax(360mV)				
Current	Range	0~401.6A(0~105%)	0~669.3A(0~105%)	0~803.2A(0~105%)	0~1071A(0~105%)	0~1338.7A(0~105%)
	Resolution	0.001A(F.S. ≤ 999.999A), 0.01A(F.S. > 999.999A)				
	Accuracy	<0.2%Imax(765mA)	<0.2%Imax(1275mA)	<0.2%Imax(1530mA)	<0.2%Imax(2040mA)	<0.2%Imax(2550mA)
Ro	Range	0~28.2Ω	0~16.9Ω	0~14.1Ω	0~10.5Ω	0~8.4Ω
	Resolution	0.0001Ω				
	Accuracy	R<2%Rmax,I<0.3%Imax				

MODEL		SPSA360VDC54000W-3-18	SPSA360VDC90000W-3-24	SPSA360VDC108000W-3-30	SPSA360VDC144000W-3-36	SPSA360VDC180000W-3-42
Power	Range	0~56700W(0~105%)	0~94500W(0~105%)	0~113400W(0~105%)	0~151200W(0~105%)	0~189000W(0~105%)
	Resolution	0.1W(F.S. ≤ 99.9KW), 1W(F.S. > 99.9KW)				
	Accuracy	<0.5%F.S.+ 270W	<0.5%F.S.+ 450W	<0.5%F.S.+ 540W	<0.5%F.S.+ 720W	<0.5%F.S.+ 900W
Sink Function						
Input Voltage		0~360V				
Input Current		0~225A	0~375A	0~450A	0~600A	0~750A
Input Power		0~2925W	0~4875W	0~5850W	0~7800W	0~9750W
Min.Operating Voltage		8V@120A	8V@200A	8V@240A	8V@320A	8V@400A
CC Resolution		18mA	30mA	36mA	48mA	60mA
CC Accuracy		<0.2%Imax(450mA)	<0.2%Imax(750mA)	<0.2%Imax(900mA)	<0.2%Imax(1200mA)	<0.2%Imax(1500mA)
CV Resolution		< 4mV				
CV Accuracy		<0.1%Umax(360mV)				
CP Resolution		4.5W	7.5W	9W	12W	15W
CP Accuracy		<0.5%Pmax(14625mW)	<0.5%Pmax(24375mW)	<0.5%Pmax(29250mW)	<0.5%Pmax(39000mW)	<0.5%Pmax(48750mW)
Slew Rate		0.01~2.5A/us				
Dynamic Mode		20~50ms				
Control & Supervisory Panel						
Model		CSP5		CSP8		
Environmental						
Operating Temperature		0°C~40°C				
Storage Temperature		-20°C~70°C				
Altitude		< 2000m				
Relative Humidity		<95%RH(Non-condensing)@35°C, <80%RH(Non-condensing)@40°C				
Noise		50dB Min, 80dB Max	52dB Min, 82dB Max	53dB Min, 83dB Max	55dB Min, 85dB Max	56dB Min, 86dB Max
Temperature Coefficient		100ppm/°C at Voltage, 300ppm/°C at Current				
Mechanical						
Dimensions(W x H x D)		560.0x790.0x920.0 mm	560.0x1056.0x920.0 mm	560.0x1324.0x920.0 mm	560.0x1590.0x920.0 mm	560.0x1857.0x920.0 mm
Package Dimensions (W x H x D)		/	/	/	/	/
Unit Weight		/	/	/	/	/
Shipping Weight		/	/	/	/	/
Regulatory Compliance						
CE Mark		Installation Overvoltage Category II; Class II equipment; indoor use only.				

[1] For different input voltage standard option must be specified at the time of order as they are installed at the factory prior to shipment.
[2] Load transient from 0% to 100% of rated output.
[3] Vrms @ 300kHz, Vpp @ 20MHz, Arms @ 300kHz.
All specifications are subject to change without notice.

SPS-M/A Series DC Power Supply System

MODEL		SPSA500VDC54000W-3-18	SPSA500VDC90000W-3-24	SPSA500VDC108000W-3-30	SPSA500VDC144000W-3-36	SPSA500VDC180000W-3-42
Input						
Voltage[1]		3P208 187~265VAC				
		3P400 340~460VAC				
		▵Connect				
Frequency		45~65Hz				
Phase		3 Phase, 3Wire+Groud, ▵Connect				
Power Factor		>0.99(Rate Input Voltage, Full Load)				
Max.Current[1]		3P208 L1,L2,L3-180A	3P208 L1,L2,L3-300A	3P208 L1,L2,L3-400A	3P208 L1,L2,L3-480A	3P208 L1,L2,L3-600A
		3P400 L1,L2,L3-90A	3P400 L1,L2,L3-150A	3P400 L1,L2,L3-180A	3P400 L1,L2,L3-240A	3P400 L1,L2,L3-300A
Input Power Max		67KVA	112KVA	135KVA	180KVA	225KVA
Efficiency[1]		3P208 ~92.5%@500V, 3P208 ~91%@288A	3P208 ~92.5%@500V, 3P208 ~91%@480A	3P208 ~92.5%@500V, 3P208 ~91%@576A	3P208 ~92.5%@500V, 3P208 ~91%@768A	3P208 ~92.5%@500V, 3P208 ~91%@960A
		3P400 ~94%@500V, 3P400 ~92.5%@288A	3P400 ~94%@500V, 3P400 ~92.5%@480A	3P400 ~94%@500V, 3P400 ~92.5%@576A	3P400 ~94%@500V, 3P400 ~92.5%@768A	3P400 ~94%@500V, 3P400 ~92.5%@960A
Output						
Output Voltage		0~500V				
Output Current		0~288A	0~480A	0~576A	0~768A	0~960A
Output Power		0~54000W	0~90000W	0~108000W	0~144000W	0~180000W
Ro		0~53Ω	0~31Ω	0~27Ω	0~20Ω	0~16Ω
Load Regulation[2]	Voltage	750mV	1250mV	1500mV	2000mV	2500mV
	Current	<0.15%Imax(432mA)	<0.15%Imax(720mA)	<0.15%Imax(864mA)	<0.15%Imax(1152mA)	<0.15%Imax(1440mA)
Line Regulation	Voltage	<0.02%Umax(100mV)				
	Current	<0.05%Imax(144mA)	<0.05%Imax(240mA)	<0.05%Imax(288mA)	<0.05%Imax(384mA)	<0.05%Imax(480mA)
Voltage Setting	Range	0~525V(0~105%)				
	Resolution	0.001V (F.S. ≤999.999V), 0.01V(F.S. > 999.999V)				
	Accuracy	<0.1% Umax (500mV)				
Current Setting	Range	0~302.4A(0~105%)	0~504A(0~105%)	0~604.80A(0~105%)	0~806.4A(0~105%)	0~1008A(0~105%)
	Resolution	0.001A(F.S. ≤ 999.999A), 0.01A(F.S. > 999.999A)				
	Accuracy	<0.2%Imax (576mA)	<0.2%Imax(960mA)	<0.2%Imax(1152mA)	<0.2%Imax(1536mA)	<0.2%Imax(1920mA)
Power Setting	Range	0~56700W(0~105%)	0~94500W(0~105%)	0~113400W(0~105%)	0~151200W(0~105%)	0~189000W(0~105%)
	Resolution	0.1W(F.S. ≤ 99.9KW), 1W(F.S. > 99.9KW)				
	Accuracy	<0.5%F.S.+ 270W	<0.5%F.S.+ 450W	<0.5%F.S.+ 540W	<0.5%F.S.+ 720W	<0.5%F.S.+ 900W
Ro Setting	Range	0~53Ω	0~31Ω	0~27Ω	0~20Ω	0~16Ω
	Resolution	0.0001Ω				
	Accuracy	R< 2%Rmax,I<0.3%Imax				
Ripple[3]	Voltage	<975mVpp, <240mVrms	<1625mVpp, <400mVrms	<1950mVpp, <480mVrms	<2600mVpp, <640mVrms	<3250mVpp, <800mVrms
	Current	NA				
Measurement						
Voltage	Range	0~525V(0~105%)				
	Resolution	0.001V (F.S. ≤999.999V), 0.01V(F.S. > 999.999V)				
	Accuracy	<0.1%Umax(500mV)				
Current	Range	0~302.4A(0~105%)	0~504A(0~105%)	0~604.80A(0~105%)	0~806.4A(0~105%)	0~1008A(0~105%)
	Resolution	0.001A(F.S. ≤ 999.999A), 0.01A(F.S. > 999.999A)				
	Accuracy	<0.2%Imax(576mA)	<0.2%Imax(960mA)	<0.2%Imax(1152mA)	<0.2%Imax(1536mA)	<0.2%Imax(1920mA)
Ro	Range	0~53Ω	0~31Ω	0~27Ω	0~20Ω	0~16Ω
	Resolution	0.0001Ω				
	Accuracy	R<2%Rmax,I<0.3%Imax				

MODEL		SPSA500VDC54000W-3-18	SPSA500VDC90000W-3-24	SPSA500VDC108000W-3-30	SPSA500VDC144000W-3-36	SPSA500VDC180000W-3-42
Power	Range	0~56700W(0~105%)	0~94500W(0~105%)	0~113400W(0~105%)	0~151200W(0~105%)	0~189000W(0~105%)
	Resolution	0.1W(F.S. ≤ 99.9KW), 1W(F.S. > 99.9KW)				
	Accuracy	<0.5%F.S.+ 270W	<0.5%F.S.+ 450W	<0.5%F.S.+ 540W	<0.5%F.S.+ 720W	<0.5%F.S.+ 900W
Sink Function						
Input Voltage		0~500V				
Input Current		0~120A	0~200A	0~240A	0~320A	0~400A
Input Power		0~2925W	0~4875W	0~5850W	0~7800W	0~9750W
Min.Operating Voltage		8V@120A	8V@200A	8V@240A	8V@320A	8V@400A
CC Resolution		9mA	15mA	18mA	24mA	30mA
CC Accuracy		<0.2%Imax(240mA)	<0.2%Imax(400mA)	<0.2%Imax(480mA)	<0.2%Imax(640mA)	<0.2%Imax(800mA)
CV Resolution		< 4mV				
CV Accuracy		<0.1%Umax(500mV)				
CP Resolution		4.5W	7.5W	9W	12W	15W
CP Accuracy		<0.5%Pmax(14625mW)	<0.5%Pmax(24375mW)	<0.5%Pmax(29250mW)	<0.5%Pmax(39000mW)	<0.5%Pmax(48750mW)
Slew Rate		0.01~2.5A/us				
Dynamic Mode		20~50ms				
Control & Supervisory Panel						
Model		CSP5		CSP8		
Environmental						
Operating Temperature		0°C~40°C				
Storage Temperature		-20°C~70°C				
Altitude		< 2000m				
Relative Humidity		<95%RH(Non-condensing)@35°C, <80%RH(Non-condensing)@40°C				
Noise		50dB Min, 80dB Max	52dB Min, 82dB Max	53dB Min, 83dB Max	55dB Min, 85dB Max	56dB Min, 86dB Max
Temperature Coefficient		100ppm/°C at Voltage, 300ppm/°C at Current				
Mechanical						
Dimensions(W x H x D)		560.0x790.0x920.0 mm	560.0x1056.0x920.0 mm	560.0x1324.0x920.0 mm	560.0x1590.0x920.0 mm	560.0x1857.0x920.0 mm
Package Dimensions (W x H x D)		/	/	/	/	/
Unit Weight		/	/	/	/	/
Shipping Weight		/	/	/	/	/
Regulatory Compliance						
CE Mark		Installation Overvoltage Category II; Class II equipment; indoor use only.				

[1] For different input voltage standard option must be specified at the time of order as they are installed at the factory prior to shipment.
[2] Load transient from 0% to 100% of rated output.
[3] Vrms @ 300kHz, Vpp @ 20MHz, Arms @ 300kHz.
All specifications are subject to change without notice.

SPS-M/A Series DC Power Supply System

MODEL		SPSA750VDC54000W-3-18	SPSA750VDC90000W-3-24	SPSA750VDC108000W-3-30	SPSA750VDC144000W-3-36	SPSA750VDC180000W-3-42
Input						
Voltage[1]		3P208 187~265VAC				
		3P400 340~460VAC				
		▵Connect				
Frequency		45~65Hz				
Phase		3 Phase, 3Wire+Groud, ▵Connect				
Power Factor		>0.99(Rate Input Voltage, Full Load)				
Max.Current[1]		3P208 L1,L2,L3-180A	3P208 L1,L2,L3-300A	3P208 L1,L2,L3-400A	3P208 L1,L2,L3-480A	3P208 L1,L2,L3-600A
		3P400 L1,L2,L3-90A	3P400 L1,L2,L3-150A	3P400 L1,L2,L3-180A	3P400 L1,L2,L3-240A	3P400 L1,L2,L3-300A
Input Power Max		67KVA	112KVA	135KVA	180KVA	225KVA
Efficiency[1]		3P208 ~92.5%@750V, 3P208 ~91%@189A	3P208 ~92.5%@750V, 3P208 ~91%@315A	3P208 ~92.5%@750V, 3P208 ~91%@378A	3P208 ~92.5%@750V, 3P208 ~91%@504A	3P208 ~92.5%@750V, 3P208 ~91%@630A
		3P400 ~92.7%@750V, 3P400 ~92%@189A	3P400 ~92.7%@750V, 3P400 ~92%@315A	3P400 ~92.7%@750V, 3P400 ~92%@378A	3P400 ~92.7%@750V, 3P400 ~92%@504A	3P400 ~92.7%@750V, 3P400 ~92%@630A
Output						
Output Voltage		0~750V				
Output Current		0~189A	0~315A	0~378A	0~504A	0~630A
Output Power		0~54000W	0~90000W	0~108000W	0~144000W	0~180000W
Ro		0~120Ω	0~71Ω	0~60Ω	0~45Ω	0~36Ω
Load Regulation[2]	Voltage	1110mV	1850mV	2220mV	2960mV	3700mV
	Current	<0.15%Imax(283.5mA)	<0.15%Imax(472.5mA)	<0.15%Imax(567mA)	<0.15%Imax(756mA)	<0.15%Imax(945mA)
Line Regulation	Voltage	<0.02%Umax(150mV)				
	Current	<0.05%Imax(94.5mA)	<0.05%Imax(157.5mA)	<0.05%Imax(189mA)	<0.05%Imax(252mA)	<0.05%Imax(315mA)
Voltage Setting	Range	0~787.5V(0~105%)				
	Resolution	0.001V (F.S. ≤999.999V), 0.01V(F.S. > 999.999V)				
	Accuracy	<0.1% Umax (750mV)				
Current Setting	Range	0~198.45A(0~105%)	0~330.75A(0~105%)	0~396.9A(0~105%)	0~529.2A(0~105%)	0~661.5A(0~105%)
	Resolution	0.001A(F.S. ≤ 999.999A), 0.01A(F.S. > 999.999A)				
	Accuracy	<0.2%Imax (378mA)	<0.2%Imax(630mA)	<0.2%Imax(756mA)	<0.2%Imax(1008mA)	<0.2%Imax(1260mA)
Power Setting	Range	0~56700W(0~105%)	0~94500W(0~105%)	0~113400W(0~105%)	0~151200W(0~105%)	0~189000W(0~105%)
	Resolution	0.1W(F.S. ≤ 99.9KW), 1W(F.S. > 99.9KW)				
	Accuracy	<0.5%F.S.+ 270W	<0.5%F.S.+ 450W	<0.5%F.S.+ 540W	<0.5%F.S.+ 720W	<0.5%F.S.+ 900W
Ro Setting	Range	0~120Ω	0~71Ω	0~60Ω	0~45Ω	0~36Ω
	Resolution	0.0001Ω				
	Accuracy	R< 2%Rmax,I<0.3%Imax				
Ripple[3]	Voltage	<1500mVpp, <375mVrms	<2500mVpp, <625mVrms	<3000mVpp, <750mVrms	<4000mVpp, <1000mVrms	<5000mVpp, <1250mVrms
	Current	NA				
Measurement						
Voltage	Range	0~787.5V(0~105%)				
	Resolution	0.001V (F.S. ≤999.999V), 0.01V(F.S. > 999.999V)				
	Accuracy	<0.1%Umax(750mV)				
Current	Range	0~198.45A(0~105%)	0~330.75A(0~105%)	0~396.9A(0~105%)	0~529.2A(0~105%)	0~661.5A(0~105%)
	Resolution	0.001A(F.S. ≤ 999.999A), 0.01A(F.S. > 999.999A)				
	Accuracy	<0.2%Imax(378mA)	<0.2%Imax(630mA)	<0.2%Imax(756mA)	<0.2%Imax(1008mA)	<0.2%Imax(1260mA)
Ro	Range	0~120Ω	0~71Ω	0~60Ω	0~45Ω	0~36Ω
	Resolution	0.0001Ω				
	Accuracy	R<2%Rmax,I<0.3%Imax				

MODEL		SPSA750VDC54000W-3-18	SPSA750VDC90000W-3-24	SPSA750VDC108000W-3-30	SPSA750VDC144000W-3-36	SPSA750VDC180000W-3-42
Power	Range	0~56700W(0~105%)	0~94500W(0~105%)	0~113400W(0~105%)	0~151200W(0~105%)	0~189000W(0~105%)
	Resolution	0.1W(F.S. ≤ 99.9KW), 1W(F.S. > 99.9KW)				
	Accuracy	<0.5%F.S.+ 270W	<0.5%F.S.+ 450W	<0.5%F.S.+ 540W	<0.5%F.S.+ 720W	<0.5%F.S.+ 900W
Sink Function						
Input Voltage		0~750V				
Input Current		0~75A	0~125A	0~150A	0~200A	0~250A
Input Power		0~2925W	0~4875W	0~5850W	0~7800W	0~9750W
Min.Operating Voltage		5V@75A	5V@125A	5V@150A	5V@200A	5V@250A
CC Resolution		9mA	15mA	18mA	24mA	30mA
CC Accuracy		<0.2%Imax(150mA)	<0.2%Imax(250mA)	<0.2%Imax(300mA)	<0.2%Imax(400mA)	<0.2%Imax(500mA)
CV Resolution		< 4mV				
CV Accuracy		<0.1%Umax(750mV)				
CP Resolution		4.5W	7.5W	9W	12W	15W
CP Accuracy		<0.5%Pmax(14625mW)	<0.5%Pmax(24375mW)	<0.5%Pmax(29250mW)	<0.5%Pmax(39000mW)	<0.5%Pmax(48750mW)
Slew Rate		0.01~2.5A/us				
Dynamic Mode		20~50ms				
Control & Supervisory Panel						
Model		CSP5		CSP8		
Environmental						
Operating Temperature		0°C~40°C				
Storage Temperature		-20°C~70°C				
Altitude		< 2000m				
Relative Humidity		<95%RH(Non-condensing)@35°C, <80%RH(Non-condensing)@40°C				
Noise		50dB Min, 80dB Max	52dB Min, 82dB Max	53dB Min, 83dB Max	55dB Min, 85dB Max	56dB Min, 86dB Max
Temperature Coefficient		100ppm/°C at Voltage, 300ppm/°C at Current				
Mechanical						
Dimensions(W x H x D)		560.0x790.0x920.0 mm	560.0x1056.0x920.0 mm	560.0x1324.0x920.0 mm	560.0x1590.0x920.0 mm	560.0x1857.0x920.0 mm
Package Dimensions (W x H x D)		/	/	/	/	/
Unit Weight		/	/	/	/	/
Shipping Weight		/	/	/	/	/
Regulatory Compliance						
CE Mark		Installation Overvoltage Category II; Class II equipment; indoor use only.				

[1] For different input voltage standard option must be specified at the time of order as they are installed at the factory prior to shipment.
[2] Load transient from 0% to 100% of rated output.
[3] Vrms @ 300kHz, Vpp @ 20MHz, Arms @ 300kHz.
All specifications are subject to change without notice.

SPS-M/A Series DC Power Supply System

MODEL		SPSA1000VDC36000W-3-18	SPSA1000VDC60000W-3-24	SPSA1000VDC72000W-3-30	SPSA1000VDC96000W-3-36	SPSA1000DC120000W-3-42
Input						
Voltage[1]		3P208 187~265VAC				
		3P400 340~460VAC				
		▵Connect				
Frequency		45~65Hz				
Phase		3 Phase, 3Wire+Groud, ▵Connect				
Power Factor		>0.99(Rate Input Voltage, Full Load)				
Max.Current[1]		3P208 L1, L2,L3-123A	3P208 L1, L2,L3-200A	3P208 L1, L2,L3-247A	3P208 L1,L2,L3-330A	3P208 L1,L2,L3-414A
		3P400 L1, L2,L3-67A	3P400 L1, L2,L3-100A	3P400 L1, L2,L3-132A	3P400 L1,L2,L3-175A	3P400 L1,L2,L3-221A
Input Power Max		45KVA	75KVA	90KVA	120KVA	150KVA
Efficiency[1]		3P208 ~92%@1000V, 3P208 ~90%@96A	3P208 ~92%@1000V, 3P208 ~90%@160A	3P208 ~92%@1000V, 3P208 ~90%@192A	3P208 ~92%@1000V, 3P208 ~90%@256A	3P208 ~92%@1000V, 3P208 ~90%@320A
		3P400 ~93.5%@1000V, 3P400 ~92%@96A	3P400 ~93.5%@1000V, 3P400 ~92%@160A	3P400 ~93.5%@1000V, 3P400 ~92%@192A	3P400 ~93.5%@1000V, 3P400 ~92%@256A	3P400 ~93.5%@1000V, 3P400 ~92%@320A
Output						
Output Voltage		0~1000V				
Output Current		0~96A	0~160A	0~192A	0~256A	0~320A
Output Power		0~36000W	0~60000W	0~72000W	0~96000W	0~120000W
Ro		0~312.5Ω	0~187.5Ω	0~156.25Ω	0~117.19Ω	0~93.75Ω
Load Regulation[2]	Voltage	1500mV	2500mV	3000mV	4000mV	5000mV
	Current	<0.15%Imax(144mA)	<0.15%Imax(240mA)	<0.15%Imax(288mA)	<0.15%Imax(384mA)	<0.15%Imax(480mA)
Line Regulation	Voltage	<0.02%Umax(200mV)				
	Current	<0.05%Imax(48mA)	<0.05%Imax(80mA)	<0.05%Imax(96mA)	<0.05%Imax(128mA)	<0.05%Imax(160mA)
Voltage Setting	Range	0~1050V(0~105%)				
	Resolution	0.001V (F.S. ≤999.999V), 0.01V(F.S. > 999.999V)				
	Accuracy	<0.1% Umax (1000mV)				
Current Setting	Range	0~100.8A(0~105%)	0~168A(0~105%)	0~201.6A(0~105%)	0~268.8A(0~105%)	0~336A(0~105%)
	Resolution	0.001A(F.S. ≤ 999.999A), 0.01A(F.S. > 999.999A)				
	Accuracy	<0.2%Imax(192mA)	<0.2%Imax(320mA)	<0.2%Imax(384mA)	<0.2%Imax(512mA)	<0.2%Imax(640mA)
Power Setting	Range	0~37800W(0~105%)	0~63000W(0~105%)	0~75600W(0~105%)	0~100800W(0~105%)	0~126000W(0~105%)
	Resolution	0.1W(F.S. ≤ 99.9KW), 1W(F.S. > 99.9KW)				
	Accuracy	<0.5%F.S.+ 270W	<0.5%F.S.+ 450W	<0.5%F.S.+ 540W	<0.5%F.S.+ 720W	<0.5%F.S.+ 900W
Ro Setting	Range	0~312.5Ω	0~187.5Ω	0~156.25Ω	0~117.19Ω	0~93.75Ω
	Resolution	0.0001Ω				
	Accuracy	R<2%Rmax,I<0.3%Imax				
Ripple[3]	Voltage	<2250mVpp, <480mVrms	<3750mVpp, <800mVrms	<4500mVpp, <960mVrms	<6000mVpp, <1280mVrms	<7500mVpp, <1600mVrms
	Current	NA				
Measurement						
Voltage	Range	0~1050V(0~105%)				
	Resolution	0.001V (F.S. ≤999.999V), 0.01V(F.S. > 999.999V)				
	Accuracy	<0.1% Umax (1000mV)				
Current	Range	0~100.8A(0~105%)	0~168A(0~105%)	0~201.6A(0~105%)	0~268.8A(0~105%)	0~336A(0~105%)
	Resolution	0.001A(F.S. ≤ 999.999A), 0.01A(F.S. > 999.999A)				
	Accuracy	<0.2%Imax(192mA)	<0.2%Imax(320mA)	<0.2%Imax(384mA)	<0.2%Imax(512mA)	<0.2%Imax(640mA)
Ro	Range	0~312.5Ω	0~187.5Ω	0~156.25Ω	0~117.19Ω	0~93.75Ω
	Resolution	0.0001Ω				
	Accuracy	R<2%Rmax,I<0.3%Imax				

MODEL		SPSA1000VDC36000W-3-18	SPSA1000VDC60000W-3-24	SPSA1000VDC72000W-3-30	SPSA1000VDC96000W-3-36	SPSA1000DC120000W-3-42
Power	Range	0~37800W(0~105%)	0~63000W(0~105%)	0~75600W(0~105%)	0~100800W(0~105%)	0~126000W((0~105%)
	Resolution	0.1W(F.S. ≤ 99.9KW), 1W(F.S. > 99.9KW)				
	Accuracy	<0.5%F.S.+ 270W	<0.5%F.S.+ 450W	<0.5%F.S.+ 540W	<0.5%F.S.+ 720W	<0.5%F.S.+ 900W
Control & Supervisory Panel						
Model		CSP5		CSP8		
Environmental						
Operating Temperature		0°C~40°C				
Storage Temperature		-20°C~70°C				
Altitude		<2000m				
Relative Humidity		<95%RH(Non-condensing)@35°C, <80%RH(Non-condensing)@40°C				
Noise		50dB Min, 78dB Max	52dB Min, 80dB Max	53dB Min, 81dB Max	55dB Min, 83dB Max	56dB Min, 84dB Max
Temperature Coefficient		100ppm/°C at Voltage, 300ppm/°C at Current				
Mechanical						
Dimensions(W x H x D)		560.0x790.0x920.0 mm	560.0x1056.0x920.0 mm	560.0x1324.0x920.0 mm	560.0x1590.0x920.0 mm	560.0x1857.0x920.0 mm
Package Dimensions (W x H x D)		/	/	/	/	/
Unit Weight		/	/	/	/	/
Shipping Weight		/	/	/	/	/
Regulatory Compliance						
CE Mark		Installation Overvoltage Category II; Class II equipment; indoor use only.				

[1] For different input voltage standard option must be specified at the time of order as they are installed at the factory prior to shipment.
[2] Load transient from 0% to 100% of rated output.
[3] Vrms @ 300kHz, Vpp @ 20MHz, Arms @ 300kHz.
All specifications are subject to change without notice.

SPS-M/A Series DC Power Supply System

MODEL		SPSA1500VDC54000W-3-18	SPSA1500VDC90000W-3-24	SPSA1500VDC108000W-3-30	SPSA1500VDC144000W-3-36	SPSA1500DC180000W-3-42
Input						
Voltage[1]		3P208 187~265VAC				
		3P400 340~460VAC				
		▵Connect				
Frequency		45~65Hz				
Phase		3 Phase, 3Wire+Groud, ▵Connect				
Power Factor		>0.99(Rate Input Voltage, Full Load)				
Max.Current[1]		3P208 L1, L2,L3-180A	3P208 L1, L2,L3-300A	3P208 L1, L2,L3-400A	3P208 L1,L2,L3-480A	3P208 L1,L2,L3-600A
		3P400 L1, L2,L3-90A	3P400 L1, L2,L3-150A	3P400 L1, L2,L3-180A	3P400 L1,L2,L3-240A	3P400 L1,L2,L3-300A
Input Power Max		67KVA	112KVA	135KVA	180KVA	225KVA
Efficiency[1]		3P208 ~92%@1500V, 3P208 ~90%@96A	3P208 ~92%@1500V, 3P208 ~90%@160A	3P208 ~92%@1500V, 3P208 ~90%@192A	3P208 ~92%@1500V, 3P208 ~90%@256A	3P208 ~92%@1500V, 3P208 ~90%@320A
		3P400 ~93.5%@1500V, 3P400 ~92%@96A	3P400 ~93.5%@1500V, 3P400 ~92%@160A	3P400 ~93.5%@1500V, 3P400 ~92%@192A	3P400 ~93.5%@1500V, 3P400 ~92%@256A	3P400 ~93.5%@1500V, 3P400 ~92%@320A
Output						
Output Voltage		0~1500V				
Output Current		0~96A	0~160A	0~192A	0~256A	0~320A
Output Power		0~54000W	0~90000W	0~108000W	0~144000W	0~180000W
Ro		0~468.75Ω	0~281.25Ω	0~234.38Ω	0~175.79Ω	0~140.63Ω
Load Regulation[2]	Voltage	2250mV	3750mV	4500mV	6000mV	7500mV
	Current	<0.15%Imax(144mA)	<0.15%Imax(240mA)	<0.15%Imax(288mA)	<0.15%Imax(384mA)	<0.15%Imax(480mA)
Line Regulation	Voltage	<0.02%Umax(300mV)				
	Current	<0.05%Imax(48mA)	<0.05%Imax(80mA)	<0.05%Imax(96mA)	<0.05%Imax(128mA)	<0.05%Imax(160mA)
Voltage Setting	Range	0~1575V(0~105%)				
	Resolution	0.001V (F.S. ≤999.999V), 0.01V(F.S. > 999.999V)				
	Accuracy	<0.1% Umax (1500mV)				
Current Setting	Range	0~100.8A(0~105%)	0~168A(0~105%)	0~201.6A(0~105%)	0~268.8A(0~105%)	0~336A(0~105%)
	Resolution	0.001A(F.S. ≤ 999.999A), 0.01A(F.S. > 999.999A)				
	Accuracy	<0.2%Imax(192mA)	<0.2%Imax(320mA)	<0.2%Imax(384mA)	<0.2%Imax(512mA)	<0.2%Imax(640mA)
Power Setting	Range	0~56700W(0~105%)	0~94500W(0~105%)	0~113400W(0~105%)	0~151200W(0~105%)	0~189000W(0~105%)
	Resolution	0.1W(F.S. ≤ 99.9KW), 1W(F.S. > 99.9KW)				
	Accuracy	<0.5%F.S.+ 270W	<0.5%F.S.+ 450W	<0.5%F.S.+ 540W	<0.5%F.S.+ 720W	<0.5%F.S.+ 900W
Ro Setting	Range	0~468.75Ω	0~281.25Ω	0~234.38Ω	0~175.79Ω	0~140.63Ω
	Resolution	0.0001Ω				
	Accuracy	R<2%Rmax,I<0.3%Imax				
Ripple[3]	Voltage	<2925mVpp, <975mVrms	<4875mVpp, <1625mVrms	<5850mVpp, <1950mVrms	<7800mVpp, <2600mVrms	<9750mVpp, <3250mVrms
	Current	NA				
Measurement						
Voltage	Range	0~1575V(0~105%)				
	Resolution	0.001V (F.S. ≤999.999V), 0.01V(F.S. > 999.999V)				
	Accuracy	<0.1% Umax (1500mV)				
Current	Range	0~100.8A(0~105%)	0~168A(0~105%)	0~201.6A(0~105%)	0~268.8A(0~105%)	0~336A(0~105%)
	Resolution	0.001A(F.S. ≤ 999.999A), 0.01A(F.S. > 999.999A)				
	Accuracy	<0.2%Imax(192mA)	<0.2%Imax(320mA)	<0.2%Imax(384mA)	<0.2%Imax(512mA)	<0.2%Imax(640mA)
Ro	Range	0~468.75Ω	0~281.25Ω	0~234.38Ω	0~175.79Ω	0~140.63Ω
	Resolution	0.0001Ω				
	Accuracy	R<2%Rmax,I<0.3%Imax				

MODEL		SPSA1500VDC54000W-3-18	SPSA1500VDC90000W-3-24	SPSA1500VDC108000W-3-30	SPSA1500VDC144000W-3-36	SPSA1500DC180000W-3-42
Power	Range	0~56700W(0~105%)	0~94500W(0~105%)	0~113400W(0~105%)	0~151200W(0~105%)	0~189000W((0~105%)
	Resolution	0.1W(F.S. ≤ 99.9KW), 1W(F.S. > 99.9KW)				
	Accuracy	<0.5%F.S.+ 270W	<0.5%F.S.+450W	<0.5%F.S.+ 540W	<0.5%F.S.+ 720W	<0.5%F.S.+ 900W
Control & Supervisory Panel						
Model		CSP5		CSP8		
Environmental						
Operating Temperature		0°C~40°C				
Storage Temperature		-20°C~70°C				
Altitude		<2000m				
Relative Humidity		<95%RH(Non-condensing)@35°C, <80%RH(Non-condensing)@40°C				
Noise		50dB Min, 80dB Max	52dB Min, 82dB Max	53dB Min, 83dB Max	55dB Min, 85dB Max	56dB Min, 86dB Max
Temperature Coefficient		100ppm/°C at Voltage, 300ppm/°C at Current				
Mechanical						
Dimensions(W x H x D)		560.0x790.0x920.0 mm	560.0x1056.0x920.0 mm	560.0x1324.0x920.0 mm	560.0x1590.0x920.0 mm	560.0x1857.0x920.0 mm
Package Dimensions (W x H x D)		/	/	/	/	/
Unit Weight		/	/	/	/	/
Shipping Weight		/	/	/	/	/
Regulatory Compliance						
CE Mark		Installation Overvoltage Category II; Class II equipment; indoor use only.				

[1] For different input voltage standard option must be specified at the time of order as they are installed at the factory prior to shipment.
[2] Load transient from 0% to 100% of rated output.
[3] Vrms @ 300kHz, Vpp @ 20MHz, Arms @ 300kHz.
All specifications are subject to change without notice.

SPS-M/A Series DC Power Supply System

MODEL		SPSA2250VDC54000W-3-18	SPSA2250VDC90000W-3-24	SPSA2250VDC108000W-3-30	SPSA2250VDC144000W-3-36	SPSA2250DC180000W-3-42
Input						
Voltage[1]		3P208 187~265VAC				
		3P400 340~460VAC				
		▵Connect				
Frequency		45~65Hz				
Phase		3 Phase, 3Wire+Groud, ▵Connect				
Power Factor		>0.99(Rate Input Voltage, Full Load)				
Max.Current[1]		3P208 L1, L2,L3-180A	3P208 L1, L2,L3-300A	3P208 L1, L2,L3-400A	3P208 L1,L2,L3-480A	3P208 L1,L2,L3-600A
		3P400 L1, L2,L3-90A	3P400 L1, L2,L3-150A	3P400 L1, L2,L3-180A	3P400 L1,L2,L3-240A	3P400 L1,L2,L3-300A
Input Power Max		67KVA	112KVA	135KVA	180KVA	225KVA
Efficiency[1]		3P208 92%@2250V, 3P208 90.5%@63A	3P208 92%@2250V, 3P208 90.5%@105A	3P208 92%@2250V, 3P208 90.5%@126A	3P208 92%@2250V, 3P208 90.5%@168A	3P208 92%@2250V, 3P208 90.5%@210A
		3P400 92.5%@2250V, 3P400 91.5%@63A	3P400 92.5%@2250V, 3P400 91.5%@105A	3P400 92.5%@2250V, 3P400 91.5%@126A	3P400 92.5%@2250V, 3P400 91.5%@168A	3P400 92.5%@2250V, 3P400 91.5%@210A
Output						
Output Voltage		0~2250V				
Output Current		0~63A	0~105A	0~126A	0~168A	0~210A
Output Power		0~54000W	0~90000W	0~108000W	0~144000W	0~180000W
Ro		0~1072Ω	0~642Ω	0~536Ω	0~402Ω	0~322Ω
Load Regulation[2]	Voltage	2850mV	4750mV	5700mV	7600mV	9500mV
	Current	<0.15%Imax(94.5mA)	<0.15%Imax(157.5mA)	<0.15%Imax(189mA)	<0.15%Imax(252mA)	<0.15%Imax(315mA)
Line Regulation	Voltage	<0.02%Umax(450mV)				
	Current	<0.05%Imax(31.5mA)	<0.05%Imax(52.5mA)	<0.05%Imax(63mA)	<0.05%Imax(84mA)	<0.05%Imax(105mA)
Voltage Setting	Range	0~2362.5V(0~105%)				
	Resolution	0.001V (F.S. ≤999.999V), 0.01V(F.S. > 999.999V)				
	Accuracy	<0.1% Umax (2250mV)				
Current Setting	Range	0~66.15A(0~105%)	0~110.25A(0~105%)	0~132.3A(0~105%)	0~176.4A(0~105%)	0~220.5A(0~105%)
	Resolution	0.001A(F.S. ≤ 999.999A), 0.01A(F.S. > 999.999A)				
	Accuracy	<0.2%Imax(126mA)	<0.2%Imax(210mA)	<0.2%Imax(252mA)	<0.2%Imax(336mA)	<0.2%Imax(420mA)
Power Setting	Range	0~56700W(0~105%)	0~945000W(0~105%)	0~113400W(0~105%)	0~151200W(0~105%)	0~189000W(0~105%)
	Resolution	0.1W(F.S. ≤ 99.9KW), 1W(F.S. > 99.9KW)				
	Accuracy	<0.5%F.S.+ 270W	<0.5%F.S.+ 450W	<0.5%F.S.+ 540W	<0.5%F.S.+ 720W	<0.5%F.S.+ 900W
Ro Setting	Range	0~1072Ω	0~642Ω	0~536Ω	0~402Ω	0~322Ω
	Resolution	0.0001Ω				
	Accuracy	R<2%Rmax,I<0.3%Imax				
Ripple[3]	Voltage	<4800mVpp, <1125mVrms	<8000mVpp, <1875mVrms	<9600mVpp, <2250mVrms	<12800mVpp, <3000mVrms	<16000mVpp, <3750mVrms
	Current	NA				
Measurement						
Voltage	Range	0~2362.5V(0~105%)				
	Resolution	0.001V (F.S. ≤999.999V), 0.01V(F.S. > 999.999V)				
	Accuracy	<0.1% Umax (2250mV)				
Current	Range	0~66.15A(0~105%)	0~110.25A(0~105%)	0~132.3A(0~105%)	0~176.4A(0~105%)	0~220.5A(0~105%)
	Resolution	0.001A(F.S. ≤ 999.999A), 0.01A(F.S. > 999.999A)				
	Accuracy	<0.2%Imax(126mA)	<0.2%Imax(210mA)	<0.2%Imax(252mA)	<0.2%Imax(336mA)	<0.2%Imax(420mA)
Ro	Range	0~1072Ω	0~642Ω	0~536Ω	0~402Ω	0~322Ω
	Resolution	0.0001Ω				
	Accuracy	R<2%Rmax,I<0.3%Imax				

MODEL		SPSA2250VDC54000W-3-18	SPSA2250VDC90000W-3-24	SPSA2250VDC108000W-3-30	SPSA2250VDC144000W-3-36	SPSA2250DC180000W-3-42
Power	Range	0~56700W(0~105%)	0~945000W(0~105%)	0~113400W(0~105%)	0~151200W(0~105%)	0~189000W((0~105%)
	Resolution	0.1W(F.S. ≤ 99.9KW), 1W(F.S. > 99.9KW)				
	Accuracy	<0.5%F.S.+ 270W	<0.5%F.S.+ 450W	<0.5%F.S.+ 540W	<0.5%F.S.+ 720W	<0.5%F.S.+ 900W
Control & Supervisory Panel						
Model		CSP5		CSP8		
Environmental						
Operating Temperature		0°C~40°C				
Storage Temperature		-20°C~70°C				
Altitude		<2000m				
Relative Humidity		<95%RH(Non-condensing)@35°C, <80%RH(Non-condensing)@40°C				
Noise		50dB Min, 80dB Max	52dB Min, 82dB Max	53dB Min, 83dB Max	55dB Min, 85dB Max	56dB Min, 86dB Max
Temperature Coefficient		100ppm/°C at Voltage, 300ppm/°C at Current				
Mechanical						
Dimensions(W x H x D)		560.0x790.0x920.0 mm	560.0x1056.0x920.0 mm	560.0x1324.0x920.0 mm	560.0x1590.0x920.0 mm	560.0x1857.0x920.0 mm
Package Dimensions (W x H x D)		/	/	/	/	/
Unit Weight		/	/	/	/	/
Shipping Weight		/	/	/	/	/
Regulatory Compliance						
CE Mark		Installation Overvoltage Category II; Class II equipment; indoor use only.				

[1] For different input voltage standard option must be specified at the time of order as they are installed at the factory prior to shipment.
[2] Load transient from 0% to 100% of rated output.
[3] Vrms @ 300kHz, Vpp @ 20MHz, Arms @ 300kHz.
All specifications are subject to change without notice.

SPS-M/A Series DC Power Supply System

Model		CSP8		CSP5	
Control Unit		1~10 (3U Height Unit)	1~5 (6U Height Unit)	1~5 (3U Height Unit)	1~2 (6U Height Unit)
Input					
Input Voltage Range (L-L) [1]		187···265VAC			
Rated Voltage (L-L) [1]		340···460VAC			
Input Frequency Range		45~65Hz			
Wires		3ph, PE			
Max Current [1]		800A@208V Input	800A@208V Input	400A@208V Input	400A@208V Input
		400A@400V Input	400A@400V Input	200A@400V Input	200A@400V Input
Max Power		230kVA	230kVA	120kVA	120kVA
Timer Setting					
Power OFF Timer		DDD/HH/MM			
Sequential Control Settings					
Power ON Sequence		From the first Slave unit to the last Slave unit			
Power OFF Sequence		All slave units Power Off at the same time			
ON/OFF Control		Manual/Timer/Remote			
Power Meter					
Voltage(L1/L2/L3)	Range	180~460VAC			
	Resolution	0.01V			
	Accuracy	± 0.2%			
Frequency	Resolution	0.01Hz			
	Accuracy	± 0.2%			
Current(L1/L2/L3)	Range	0~800A		0~400A	
	Resolution	0.01A			
	Accuracy	± 0.8%			
Power	Resolution	0.001kW			
	Accuracy	± 1.5%			
Power Factor	Resolution	0.01			
	Accuracy	± 1%			
Protection					
OVP		+10% of Nominal Input			
UVP		-10% of Nominal Input			
OCP		+10% of Max. Input Current			
OFP/UFP		50Hz±5Hz/60Hz±5Hz			
Phase Loss		Alarm and stop operation when lose any phase			
Safety					
Emergency Stop		Multiple rack cabinet EMS can be connected in series			
		Extendable EMS switch			
General Specification					
Controller Power Supply	Input Voltage	187···253VAC			
		340···460VAC			
	Frequency	45~65Hz			
	Power Consumption	55W	60W	44W	50W
	Standby Power	28W	28W	28W	28W
Graphic Display		4.3" Color touch LCD			
Operation Key Feature		Soft keys, Numberic keys, Rotary knod, USB port for transfer and upgrading firmware			
Interface		RS232/RS485/USB(Standard), GPIB & LAN(Optional), CAN(Optional)			
Command Response Time		<3ms			
Environmental					
Operating Temperature		0~40°C			
Storage Temperature		-20~70°C			
Temperature Coefficient		<95%RH(non-condensing)@35°C, <80%RH(non-condensing)@40°C			
Relative Humidity		<2000m			
Cooling Method		Forced air cooling			
Mechanical					
Dimensions(WxHxD)		423.0 x 353.0 x 578.0 mm		423.0 x 220.0 x 578.0 mm	
Unit Weight		28kg		20kg	
Withstanding Voltage					
Primary - Chassis		DC 2121V			
Primary - Secondary		DC 4242V			
Secondary - Chassis		DC 2121V			

[1] For different input voltage standard option must be specified at the time of order as they are installed at the factory prior to shipment.

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