

High Power DC Power Supply

MODEL	SP1000VDC12000W	SP1000VDC24000W
INPUT		
Voltage ^[1]	187~253VAC 340~460VAC	190~253VAC
Current ^[1]	3P208 L1-60A, L2,L3-38A 3P400 L1-30A, L2,L3-19A	3P208 L1-60A, L2,L3-103A 3P400 L1-30A, L2,L3-49A
Frequency	45~65Hz	
Connection	3ph, PE	
Fusing (Internal) ^[1]	T50A*2pcs T30A*2pcs	
Power Factor	>0.99	
Input Power	14.6KVAmx	26.6KVAmx
Efficiency ^[1]	90.5% 92.5%	
OUTPUT		
Voltage Range	0~1000V	
Current Range ^[2]	0~32A	0~64A
Power Range	0~12000W	0~24000W
Max. Setup Range	Voltage	0~1050V(0~105%)
	Current	0~33.6A(0~105%)
	Power	0~12600W(0~105%)
	Internal Resistance	0~937.5Ω
Accuracy	Voltage	<0.1%Umax(1000mV)
	Current	<0.2%Imax(64mA)
	Power	<1%+90W
	Internal Resistance	R<2% Rmax, I<0.3% Imax
Line Regulation	Voltage	<0.02%Umax(200mV)
	Current	<0.05%Imax(16mA)
	Power	<0.05%Pmax
Load Regulation ^[3]	Voltage	<0.05%Umax(500mV)
	Current	<0.15%Imax(48mA)
	Power	<0.75%Pmax
Rise Time	Voltage <15ms (No Load) <20ms (Full Load)	
Drop Time	Voltage <1200ms (No Load) <20ms (Full Load)	
Transient Response Time	Voltage ≤1.5ms/10V	
Display Resolution	Voltage	0.01V
	Current	0.001A
	Power	0.001kW
	Internal Resistance	0.001Ω
Measurement Accuracy	Voltage	<0.1%Umax(1V)
	Current	<0.2%Imax(64mA)
	Power	<0.5%Pmax
	Internal Resistance	<0.4%Rmax
Ripple ^[4]	Voltage	<1300mVpp, <320mVrms
	Current	<22mArms
Remote Compensation	Voltage 3%Umax(30V)	
GENERAL		
Graphic Display	4.3"Color touch LCD	
Operation Key Feature	Soft keys, Numeric keys, Rotary knob, Support USB disk	
Rack Mount Handles	Yes	
FAN	Temperature control	
Protection	OCP, OVP, OPP, OTP	

MODEL	SP1000VDC12000W	SP1000VDC24000W
Interface	RS232/RS485/USB(Standard), GPIB/LAN(Optional), CAN(Optional)	
Command Response Time	<3ms	
ANALOG INTERFACE(Optional)		
Set Value Inputs	Analog input 0~5V/0~10V or 0~5kΩ/0~10kΩ to set 0~105% voltage, current and power	
Actual Value Output	Analog output 0~5V/0~10V to monitor the voltage and current.	
Accuracy U/I/P/R	<0.2% F.S	
Actual Output U/I	<0.2%	
Control Signals	DC ON/OFF, Remote Control ON/OFF	
Status Signals	CV, OVP, OT	
Sample Rate of Input&Output	45Hz	
Galvanic Isolation to the Device	1.5kVDC	
MASTER/SLAVE CONTROL		
Serial Output	Not supported	
Parallel Output	MAX 16 units	
ENVIRONMENTAL		
Operating Temperature ^[2]	0~40°C	
Storage Temperature	-20~70°C	
Temperature Coefficient	100ppm/°C(voltage), 150ppm/°C(current)	
Relative Humidity	<95%RH(non-condensing)@35°C, <80%RH(non-condensing)@40°C	
Altitude	<2000m@45°C	
Fan Noise	48dB Idle; 67dB Max;	48dB Idle; 71dB Max;
MECHANICAL		
Dimensions (WxHxD)	483.0x132.0x800.0 mm	483.0x265.0x800.0 mm
Package Dimensions (WxHxD)	665.0x347.0x1009.0 mm	665.0x480.0x1009.0 mm
Unit Net Weight	34kg	78.8kg
Net Weight	43kg	108.8kg
MISCELLANEOUS		
Over Voltage Category	II	
Protection Class	I	
Pollution Degree	2	
Insulation	AC input <->DC out put, 4242VDC, AC input <-> PE, 2818VDC	

[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 than 30°C.

[3] Load transient from 10% to 90% of rated output.

[4] RMS Value 300kHz; PP Value 20MHz.