Multifunctional Programmable DC Power

1000W in 2U(2)

lodel	SPS150VDC1000W	SPS200VDC1000W	SPS600VDC1000W	SPS800VDC1000W			
		INPUT					
nput Voltage	90~265VAC						
put Frequency	47~63Hz						
ower Factor	>0.98						
put Power	1300VA(MAX)						
		OUTPUT					
Output Voltage Range	0~150V	0~200V	0~600V	0~800V			
output Current Range	0~30A	0~24A	0~10A	0~7.5A			
Output Power Range	0~1000W						
oltage Load Regulation	15mV	15mV	30mV	200mV			
urrent Load Regulation	30mA	24mA	10mA	8mA			
oltage Display Resolution	1mV						
Surrent Display Resolution	0.1mA						
oltage Programmable Resolution	3mV	4mV	12mV	24mV			
	1mA						
oltage Setting Accuracy [1]	0.1%+15mV	0.1%+15mV	0.05%+150mV	0.05%+200mV			
Surrent Setting Accuracy	0.1%+30mA	0.1%+24mA	0.1%+10mA	0.1%+7.5mA			
	0.1%+15mV	0.1%+15mV	0.05%+150mV	0.05%+200mV			
urrent Measurement Accuracy	0.1%+30mA	0.1%+24mA	0.1%+10mA	0.1%+7.5mA			
oltage Ripple [2]	80mVp-p 15mVrms	150mVp-p 30mVrms	350mVp-p 40mVrms	800mVp-p 200mVrms			
current Ripple [3]	60mA (Full Range) 10mA (TYP Value)	50mA (Full Range) 20mA (TYP Value)	25mA (Full Range) 10mA (TYP Value)	25mA (Full Range) 10mA (TYP Value)			
ine Regulation(Voltage)	0.02%+8mV	0.02%+8mV	0.01%+308mV	0.01%+40mV			
ine Regulation(Current)	30mA	30mA	15mA	15mA			
oltage Temperature Coefficient [4]	100ppm/°C						
urrent Temperature Coefficient [4]	150ppm/°C						
VM Resolution	1mV	1mV	12mV	12mV			
VM Precision [1]	0.1%+15mV	0.1%+15mV	0.05%+150mV	0.05%+200mV			
perating Mode	Constant voltage (CV) / Cons	tant current (CC)					
emote Compensation	5V MAX						
laster-slave Control	Yes						
esponse (Voltage Increase)	≤25ms	≤30ms	≤60ms	≤60ms			
esponse (Voltage Drop)	≤500ms (no load) ≤25ms (full load)	≤500ms (no load) ≤35ms (full load)	≤800ms (no load) ≤110ms (full load)	≤800ms (no load) ≤60ms (full load)			
oad Transient Recovery Time [5]	≤2ms	≤2ms	≤3ms	≤3ms			
ommand Response Time	50ms						
eries Capability [6]	Up to 8 units	Up to 6 units	Up to 2 units	Not Recommended			
arallel Capability	Up to 10 units						
urrent Sharing [7]	40V	50V	200V	250V			
fficiency (full load)	88%	88%	86%	85%			
		OTHER					
rotection Function	OVP/OCP/OTP/OPP/SCP						
old Back Function	Yes						
nput Fuse	30A, 125VAC/250VAC, fast-acting type						
et Weight	13.2kg	14.7kg	13.2kg	13.2kg			
ccessories Weight	1.0kg						
imensions(WxHxD)	483.0x87.0x581.0 mm	483.0x87.0x581.0 mm	483.0x87.0x626.0 mm	483.0x87.0x626.0 mm			
communication Modes	1. RS232/RS485/USB/LAN; 2. RS232/RS485/USB/LAN/GPIB						
perating Environment	Temperature 0~40°C, Relative Humidity 10%~90%(no condensation); Pollution degree 2, Installation category II, Indoor use.						
F				Forced air-cooling			

^{[1] %}output+offset, when output voltage less than 5V, offset voltage is 30mV. [2] Vp-p@20MHz, Vrms@1.25MHz.

All specifications are subject to change without notice.

^[3] Arms@1.25MHz, the TYP Value is measured at the rated output voltage with 100% resistive load, and the measured value at full range of output voltage with 100% resistive load is less than the Full Range value.

^{[4] 0~40°}C.

^[5] Time for output voltage to recover within 0.5%(0.75% @800V models) of its rated output for a load change from 10% to 90% of its rated output current. Voltage set point from 10% to 90% of rated output.

^[6] The communication must insulated users from output when using remote control and the output voltage exceeds 800VDC.

^[7] Current Share error le<(lav*2.5% + 5% F.S) A, F.S is the full scale of the current. lav=lsum/n, where lav is average current, lsum is total current and n is number of parallel units. Note: Output voltage must be higher than 30% of maximum output voltage when Current Share function properly.