## **Multifunctional Programmable DC Power**

## 2000W in 2U(2)

lodel	SP150VDC2000W	SP200VDC2000W	SP600VDC2000W	SP800VDC2000W			
		INPUT					
nput Voltage	190~265VAC						
nput Frequency	47~63Hz						
ower Factor	>0.98						
nput Power	2400VA(MAX)						
		OUTPUT					
utput 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	0~2000W						
oltage Load Regulation	15mV	15mV	30mV	200mV			
Surrent Load Regulation	30mA	24mA	10mA	20mA			
oltage Display Resolution	1mV						
current Display Resolution	0.1mA						
oltage Programmable Resolution	3mV	4mV	12mV	24mV			
urrent Programmable Resolution							
oltage Setting Accuracy [1]	0.1%+15mV	0.1%+15mV	0.05%+150mV	0.05%+200mV			
current Setting Accuracy	0.1%+30mA	0.1%+24mA	0.1%+10mA	0.1%+7.5mA			
oltage Measurement Accuracy [1]		0.1%+15mV	0.05%+150mV	0.05%+200mV			
-	0.1%+30mA	0.1%+24mA	0.1%+10mA	0.1%+7.5mA			
oltage Ripple [2]	40mVp-p 6mVrms	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%+30mV	0.01%+40mV			
ine Regulation(Current)	30mA	30mA	15mA	20mA			
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) / Const	ant current (CC)					
emote Compensation	5V MAX						
faster-slave Control	Yes						
esponse (Voltage Increase)	≤25ms	≤30ms	≤60ms	≤60ms			
esponse (Voltage Drop)	≤500ms (no load) ≤25ms (full load)	≤500ms (no load) ≤20ms (full load)	≤800ms (no load) ≤90ms (full load)	≤8200ms (no load) ≤60ms (full load)			
oad Transient Recovery Time [5]	≤3ms						
command Response Time	50ms						
eries Capability [6]	Up to 8 units	Up to 6 units	Up to 2 units	Not Recommended			
	Up to 10 units						
urrent Sharing [7]	40V	50V	200V	250V			
fficiency (full load)	90%	90%	90%	91%			
		OTHER					
rotection Function	OVP/OCP/OTP/OPP/SCP						
old Back Function	Yes						
nput Fuse	30A, 125VAC/250VAC, fast-acting type	30A, 125VAC/250VAC, fast-acting type	20A, 125VAC/250VAC, fast-acting type	20A, 125VAC/250VAC, fast-acting type			
let Weight	13.2kg	13.2kg	14.7kg	14.7kg			
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.						
pordang Environment				Forced air-cooling			

<sup>[1] %</sup>output+offset, when output voltage less than 5V, offset voltage is 30mV.

All specifications are subject to change without notice.

<sup>[2]</sup> Vp-p@20MHz, Vrms@1.25MHz.

<sup>[3]</sup> 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.

<sup>[4] 0~40°</sup>C.

<sup>[5]</sup> 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.

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

<sup>[7]</sup> 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, Isum 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.