



SP Series 800VDC-2U Programmable DC Power Supply

SP series 800VDC-2U programmable DC power supply has the features including high precision and resolution, high efficiency low ripple, complete multiple protection, Master/Slave Series/Parallel modes, and multiple communication interfaces, which allow a more flexible and convenience use of the power supply.



Features

- * Accurate voltage and current measurement capability;
- * Encoder Knob, multifunction keyboard;
- * DVM Independent measurement function;
- * Remote sensing line voltage drop compensation;
- * Equips with LIST waveform editing function;
- * Use the Standard Commands for Programmable Instrumentation(SCPI) communication protocol;
- * Standard RS232/RS485/USB/LAN communication interfaces, GPIB is optional;
- * Compliance with CE, CSA, UL standard.

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Model	SPS800VDC1000W	SP800VDC2000W	SP800VDC3000W	SP800VDC4000W
Input Voltage	90~265VAC	190~265VAC	190~265VAC	190~265VAC
Input Frequency	47~63Hz			
Power Factor	>0.98			
Input Power	1300VA(MAX)	2400VA(MAX)	3400VA(MAX)	4500VA(MAX)
Output Voltage Range	0~800V			
Output Current Range	0~7.5A			
Voltage Load Regulation	200mV			
Current Load Regulation	20mA			
Voltage Setting Accuracy	0.05%+200mV			
Current Setting Accuracy	0.1%+7.5mA			
Voltage Measurement Accuracy	0.05%+200mV			
Current Measurement Accuracy	0.1%+7.5mA			
Voltage Ripple _[1]	800mVp-p/200mVrms			
Current Ripple _[1]	25mA(Full Range) 10mA(TYP Value)			
Voltage Temperature Coefficient _[2]	100ppm/°C			
Current Temperature Coefficient _[2]	150ppm/°C			
DVM Resolution(Optional)	12mV			
DVM Accuracy(Optional)	0.05%+200mV			
Remote Compensation	5V MAX			
Load Transient Response Time	≤3ms			
Command Response Time	50ms			
Efficiency(Full Load)	85%	91%	91%	92%
Operating Environment	Temperature 0~40°C,Relative Humidity 10%~90%(no condensation)			
Weight	14.7kg			
Communication Modes	RS232/RS485/USB/LAN(Standard), GPIB(Optional)			

[1] Test Condition: Voltage ripple, CV (Constant Voltage) mode-rated output voltage (Vp-p @ 20MHz, Vrms@1.25MHz); Current ripple: CC (Constant Current) mode (Arms @1.25MHz) Current ripple typical value standard: test under full load of rated voltage, at the same time, for full load of the full range voltage, the effective value of the current ripple is among the full range voltage standard.

[2] Test Condition: Ambient temperature is among 0~40°C.

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