



APM Technologies

Model	SP150VDC1000W	SP200VDC1000W	SP400VDC1000W	SP600VDC1000W	SP800VDC1000W
Input Voltage Range	90~265VAC	90~265VAC	90~265VAC	90~265VAC	90~265VAC
Input Frequency Range	47~63Hz	47~63Hz	47~63Hz	47~63Hz	47~63Hz
Power Factor	>0.98	>0.98	>0.98	>0.98	>0.98
Output Power Range	0~1000W	0~1000W	0~1000W	0~1000W	0~1000W
Output Voltage Range	0~150V	0~200V	0~400V	0~600V	0~800V
Output Current Range	0~10A	0~8A	0~7.5A	0~5A	0~4A
Voltage Display resolution	1mV	1mV	1mV	1mV	1mV
Current Display Resolution	0.2mA	0.1mA	0.1mA	0.1mA	0.1mA
Voltage Programmable Resolution	3mV	3mV	8mV	12mV	16mV
Current Programmable Resolution	1mA	1mA	1mA	1mA	1mA
Voltage Setting Accuracy	0.1%+15mV	0.1%+15mV	0.05%+100mV	0.05%+150mV	0.05%+200mV
Current Setting Accuracy	0.1%+10mA	0.1%+8mA	0.1%+20mA	0.1%+16mA	0.1%+10mA
Voltage Measurement Accuracy	0.1%+15mV	0.1%+15mV	0.05%+100mV	0.05%+150mV	0.05%+200mV
Current Measurement Accuracy	0.1%+10mA	0.1%+8mA	0.1%+20mA	0.1%+16mA	0.1%+10mA
Voltage Ripple	120mVp-p/40mVrms		180mVp-p/80mVrms		
Current Ripple	40mA(Full Range) 10mA(TYP value)	40mA(Full Range) 10mA(TYP value)	40mA(Full Range) 10mA(TYP value)	40mA(Full Range) 10mA(TYP value)	40mA(Full Range) 10mA(TYP value)
Voltage Load Regulation	15mV	15mV	30mV	30mV	40mV
Current Load Regulation	10mA	8mA	20mA	16mA	10mA
Line Voltage Regulation	0.02%+8mV	0.02%+8mV	0.02%+20mV	0.02%+30mV	0.02%+40mV
Line Current Regulation	10mA	30mA	10mA	8mA	10mA
Voltage Temperature Coefficient	100ppm/°C				
Current Temperature Coefficient	150ppm/°C				
DVM Resolution	4mV	1mV	8mV	12mV	16mV
DVM Accuracy	0.1%+30mV	0.1%+15mV	0.05%+100mV	0.05%+150mV	0.05%+200mV
Operating Mode	Constant voltage (CV) / Constant Current (CC)				
Remote Compensation	4V MAX				
Response (Voltage Rise)	≤25ms	≤30ms	≤60ms	≤60ms	≤60ms
Response (Voltage Drop)	≤400ms(No Load) ≤25ms(Full Load)	≤600ms(No Load) ≤40ms(Full Load)	≤800ms(No Load) ≤80ms(Full Load)	≤1200ms(No Load) ≤80ms(Full Load)	≤1200ms(No Load) ≤80ms(Full Load)
Load Transient Recovery Time	≤3ms	≤3ms	≤3ms	≤3ms	≤3ms
Command Respond Time	50ms	50ms	50ms	50ms	50ms
Efficiency (Full Load)	89%	87%	90%	90%	90%
Communication Modes	1. RS232/RS485/USB/LAN; 2. RS232/RS485/USB/LAN/GPIB				
Protection Functions	OVP/OCP/OTP/OPP/SCP protection functions				
Net Weight	9.3kg	9.3kg	9.5kg	9.5kg	9.5kg
Weight of Accessories	1.0kg	1.0kg	1.0kg	1.0kg	1.0kg
Dimensions (W x H x D)	483.0x44.0x531.0 mm				
Operating Environment	Temperature: 0°C ~ 40°C Relative humidity 10%-90%(non-condensing)				
Cooling	Forced Cooling				
Certification	CE/UL/CSA/FCC/RoHS				

*Series/Parallel Capability: Can up to 10 units with output voltage less than 1000V

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