

SPX Series Single Output DC Power Supply Technical Specifications

The instrument must be operated continuously for more than 30 minutes at the specified operating temperature to achieve the following specifications.

Model	SPX3103	SPX6103
Input Characteristics		
Supply Voltage	198V-240 V/AC	
Input Frequency	50/60 Hz	
Input Fuse	250V, F5A	
Rated Output		
Voltage	0~30V	0~60V
Current	0~10A	0~10A
Power	300W	300W
Regulation(CV)		
Load	≤33mV	
Line	≤33mV	
Regulation(CC)		
Load	≤30mA	
Line	≤20mA	
Ripple & Noise (Noise bandwidth 20MHz, ripple bandwidth 1MHz, connect 10uF electrolytic capacitor in parallel with 0.1uF ceramic capacitor to the output terminal for testing)		
Voltage (Vrms)	≤40mVrms	≤60mVrms
Current (Arms)	≤40mArms	≤40mArms
Setting Resolution		
Voltage	10mV	10mV
Current	10mA	10mA
Readback Resolution		
Voltage	10mV	10mV
Current	10mA	10mA
Setting Accuracy		
Voltage	≤0.2%+0.2%FS	

Model	SPX3103	SPX6103
Current	≤0.2%+0.2%FS	
Readback Accuracy		
Voltage	≤0.2%+0.2%FS	
Current	≤0.2%+0.2%FS	
Response time		
Transient recovery time (10%~90% rated load)	≤5.0ms	
Protective function		
OVP	0~31V	0~61V
OCP	0~10.1A	0~10.1A
OTP	85℃	85℃
Temperature coefficient of output		
Voltage	100ppm/℃	
Current	200ppm/℃	
Temperature coefficient of readback value		
Voltage	100ppm/℃	
Current	200ppm/℃	
Display		
Display Type	3 x 4bit LED	
Environment		
Temperature	Working Temperature: 0℃~40℃ Storage Temperature: -20℃~60℃	
Relative Humidity	≤90%RH; no condensation	
Height	2,000 meters	
Cooling	Fan cooling, temperature intelligent speed control	
Others		
Dimension	82mm(Width)× 142mm(Height)×226mm(Depth)	
Weight	Approx. 1.5kg	



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V1.0.0