

Model	SPM3051	SPM6053	SPM3103	SPM6103
Channel	Single Channel Output			
Total Output Power	150W	300W		
Channel Output	0 - 30V / 0 - 5A	0 - 60V / 0 - 5A	0 - 30V / 0 - 10A	0 - 60V / 0 - 10A
Display	2.8 inch color LCD display			
Interface	USB Device, USB Host (5V1A)			
Dimension(W x H x D)	82 x 142 x 226 (mm)			
Working Temperature	0 - 40°C			
Weight	Approx. 1.5kg			

+ DC Power Specifications

The instrument must be operated continuously for more than 30 minutes at the specified temperature to ensure the following parameters.

Model		SPM3051	SPM6053	SPM3103	SPM6103
Rated Output (0°C-40°C)	Voltage	0 - 30V	0 - 60V	0 - 30V	0 - 60V
	Current	5A	5A	10A	10A
	Output Power	150W	300W	300W	300W
Load Regulation	Voltage	≤30mV			
	Current	≤20mA			
Power Regulation	Voltage	≤30mV			
	Current	≤20mA			
Setting Resolution	Voltage	10mV			
	Current	1mA			
Readback Resolution	Voltage	10mV			
	Current	1mA			
Value Resolution (within 12 months) (25°C±5°C)	Voltage	≤0.1% ± 20mV			≤0.1% ± 30mV
	Current	≤0.05% ± 10mA			
Readback Value Resolution (25°C±5°C)	Voltage	≤0.1% ± 20mV			≤0.1% ± 30mV
	Current	≤0.1% ± 10mA			
Ripple/Noise(*)	Voltage(Vp-p)	≤30mVp-p			≤50mVp-p
	Voltage (rms)	≤3mVrms			≤5mVrms
	Current (rms)	≤30mA _{p-p}			
Output temperature coefficient (0°C-40°C)	Voltage	100ppm/°C			
	Current	200ppm/°C			
Readback temperature coefficient	Voltage	100ppm/°C			
	Current	200ppm/°C			
Response Time(50%-100% rated load)		≤1.0ms			
Storage		4 groups of data			

* Noise bandwidth 20MHz, ripple bandwidth 1MHz, connect 10uF electrolytic capacitor in parallel with 0.1uF ceramic capacitor to the output terminal for testing.

+ Multimeter Specifications

Full Scale Reading	4½ digits	Auto Range	√
Measure	Voltage, Current, Capacitance, Resistance, Continue, Diode(0-2V) test		
Capacitance	20.000nF, 200.00nF, 2.0000uF, 20.000uF, 200.00uF, 2.0000mF: ±(3.0%±10digit)		
Voltage	DCV: 200.00mV: ±(0.3%±10digit), 2.0000V, 20.000V, 200.00V, 1000V: ±(0.3%±5digit),		
	ACV: 200.00mV, 2.0000V, 20.000V, 200.00V: ±(0.8%±10digit) 750V: ±(1%±10digit)		
Current	DCA: 200.00mA:±(0.8%±10digit), 10.000A: ±(2.5%±10digit)		
	ACA: 200.00mA:±(1%±10digit), 10.000A: ±(2.8%±10digit)		
Impedance	200.00Ω, 2.0000kΩ, 20.000kΩ, 200.00kΩ, 2.0000MΩ: ±(0.8%±10digit), 20.000MΩ: ±(1%±3digit)		
	100MΩ: ±(5%±10digit)		

Specifications subject to change without prior notice.