

Programmable AC Power Supply SME1300X Series



Features

- Linear Output, Flexible & Convenient operation, Numeric keypad, Coarse and fine adjustment knob
- Manual / program control mode output function, Timing output function, Dimming mode output function, Surge and notch function
- Front panel output function
- Boot hold function
- Multiple protection modes : set the current protection (HI-A), Over voltage Protection (OVP), Low Voltage Protection (LVP), Over current protection (OCP), Over power protection (OPP), Over temperature protection (OTP)
- Remote input and output functions
- Remote input: Input control of 7 groups of memory
- Remote output : Pass, Fail, Processing, internal output switch
- Store setting parameters and test results
- Support USB to upgrade the instrument firmware
- Memory capacity : Manual 50 groups
- Program control : 50 groups, 9 steps/ group
- 24-bit colour, 4.3 inch, 480 x 272 color LCD Screen

Technical Specifications		SME1305X	SME1310X	SME1320X
Output Parameters				
Rated Power		500W	1000W	2000W
Output Voltage		0 to 300V		
Output Frequency		45.0Hz to 500Hz		
Maximum Current (RMS)	0 to 150V	4.2A	8.4A	16.8A
	0 to 300V	2.1A	4.2A	8.4A
Maximum Current (Peak)	0 to 150V	16.8A	33.6A	67.2A
	0 to 300V	8.4A	16.8A	33.6A
Total Harmonic Distortion (THD)		at 45.0 to 500Hz, ≤ 0.5% (resistive load)		
Common Parameters	Phase	1Ø / 2W		
	Crest Factor	≥ 4		
	Linearity adjustment rate	0.1 % ± 10%		
	Load regulation	0.5% (resistive load)		
	Response time	< 100us		

Technical Specifications		SME1305X	SME1310X	SME1320X
Setting Parameters				
Voltage	Range	0 to 300V		
	Resolution	0.1V		
	Accuracy	± 0.5% + 2 digits		
Frequency	Range	45.0Hz to 500Hz		
	Resolution	<100Hz : 0.1Hz : ≥ 100Hz : 1Hz		
	Accuracy	± 0.02		
Initial / Final Phase Angle	Range	0 to 359°		
	Resolution	1°		
	Accuracy	1° (45 to 65Hz)		
Measurement Parameters				
Voltage	Range	0 to 300V		
	Resolution	0.1V		
	Accuracy	± 0.5% + 2 digits		
Frequency	Range	45.0Hz to 500Hz		
	Resolution	<100Hz : 0.1Hz : ≥ 100Hz : 1Hz		
	Accuracy	± 0.1Hz		
Current	0 to 150V	0.000 to 4.200A	0.000 to 8.400A	0.000 to 16.800A
	0 to 300V	0.000 to 2.100A	0.000 to 4.200A	0.000 to 8.400A
	Resolution	0.001A		
	Accuracy	± 0.5% + 5 digits		
Peak Current	0 to 150V	0.00 to 16.80A	0.00 to 33.60A	0.00 to 67.20A
	0 to 300V	0.00 to 8.40A	0.00 to 16.80A	0.00 to 33.60A
	Resolution	0.01A		
	Accuracy	± 5% + 2 digits		
Power	Range	0 to 500W	0 to 1000W	0 to 2000W
	Resolution	0.1W		0.1W (0 to 1000W) 1W (1000W to 2000W)
	Accuracy	± 0.6% + 5 digits		
Power Factor	Range	0.001 to 1.000		
	Resolution	0.001		
	Accuracy	± 2% + 2 digits		
General Specifications				
Display	4.3 inch, 480 x 272 color LCD Screen			
Input Supply	100V to 240V AC, 47Hz to 63Hz			
Operation Condition	0°C to 45°C, Humidity 20% to 90% RH			
Storage Condition	0 to 50°C, Humidity < 80% RH			
Dimension (W X H X D)	W : 430 x H : 88 x D : 600mm			
Weight	40kg			

Subject to change

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