



# SPE15 Series

## Single Output Power Supply

- Ultra-thin design, portable and easy to use
- 500W constant power output with 0.05% high-precision voltage and current control
- Full digital control with comprehensive protection: OVP/ OCP/ OTP
- Power-on auto output setting, ideal for unattended applications
- CV (Constant Voltage) / CC (Constant Current) modes
- Built-in discharge circuit to eliminate residual high voltage at shutdown
- List waveform output with up to 10 programmable timing steps
- 4 sets of memory presets for quick recall, enabling easy use in factory and production line environments
- Supports programmable output via PC software, providing flexible solutions for diverse testing needs.
- Versatile interfaces: USB device, optional RS485/RS232, optional LAN; supports Modbus and SCPI protocols for industrial process control and centralized network control
- 2.8-inch color IPS LCD display

## + Specifications

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

Model		SPE15054	SPE15105
Rated Output (0°C-40°C)	Voltage	0 - 150V	0 - 150V
	Current	0 - 5A	0 - 10A
	Power	400W	500W
Input Characteristics	Supply Voltage	100V- 240V	
	Input Frequency	45- 65Hz	
	Input Fuse	250V, F10A	
Regulation (CV)		Load: $\leq 20\text{mV}$ , Line: $\leq 20\text{mV}$	
Regulation (CC)		Load: $\leq 10\text{mA}$ , Line: $\leq 10\text{mA}$	
Ripple & Noise		Voltage (Vp-p): $\leq 100\text{mVpp}$ , Current (rms): $\leq 30\text{mA}$	
Setting Resolution		10mV/1mA	
Readback Resolution		10mV/1mA	
Setting Accuracy		Voltage: $\leq 0.05\% \pm 20\text{mV}$ , Current: $\leq 0.05\% \pm 20\text{mA}$	
Readback Accuracy		Voltage: $\leq 0.05\% \pm 20\text{mV}$ , Current: $\leq 0.05\% \pm 20\text{mA}$	
Transient recovery time (10%- 100% rated load)		$\leq 5.0\text{ms}$	
OVP / OCP / OTP		0 - 155V / 0 - 6A / 85°C	0 - 155V / 0 - 11A / 85°C
Temperature coefficient of output		Voltage: 100ppm/°C, Current: 200ppm/°C	
Temperature coefficient of readback value		Voltage :100ppm/°C, Current: 200ppm/°C	
Display	Display Type	2.8-inch Color LCD Display (IPS Panel)	
	Resolution / Color	240 x 320 pixels / 65536 color,TFT	
Temperature		Working Temperature: 0°C- 40°C; Storage Temperature: -20°C ~ 60°C	
Relative Humidity		$\leq 90\% \text{RH}$ ; no condensation	
Height		2,000 meters	
Cooling		Fan cooling, temperature intelligent speed control	
Communication Port		USB, DB9: RS232/RS485(optional), LAN (optional), compatible with the SCPI communication protocol	
Dimension		82mm(W)× 142mm(H)×226mm(D)	
Weight		Approx. 1.6kg	

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

Specifications subject to change without prior notice.

## + Accessories The accessories subject to final delivery.



Power Cord



User Manual



USB Cable



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