

Single Channel Digital DC Power Supply

- SPE Series

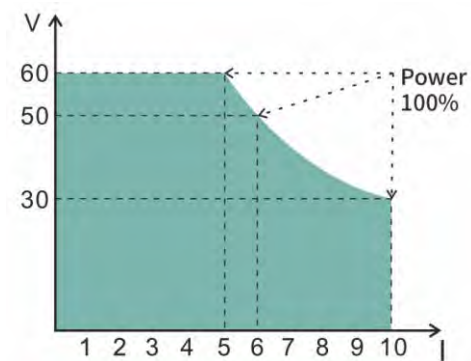


1. 2.8-inch LCD, display more information



- + Ultra-thin body, portable and easy to use
- + 150W / 200W / 300W constant power design, wide application range
- + Overvoltage/over current protection
- + Power-on automatic output setting function, suitable for natteded occasions
- + Intelligent temperature control fan cooling, reduce noise
- + 4 groups of Memory shortcut parameters for quick output
- + USB Device communication port, support SCPI
- + Constant voltage CV/constant current CC mode, effectively protect the circuit

2. Constant power design, wide application range, provides flexible configuration of higher voltage and current within the rated power range. One device is equal to multiple.



Schematic diagram of power supply constant power (take SPE6103 for instance)

3. List waveform editing output, editable 10 groups of timing output.

ON	CV	T	00:00:31	06.80w	(A)
	U	I	T	Y/N	
6	05.00v	01.600A	00:00:10	<input type="checkbox"/>	
7	04.00v	01.400A	00:00:10	<input type="checkbox"/>	
8	03.00v	01.200A	00:00:10	<input checked="" type="checkbox"/>	
9	03.00v	01.100A	00:00:10	<input type="checkbox"/>	
Set		Limit			
30.00 v		10.065 A		32.00 v 10.200 A	

4. 4 groups of Memory shortcut parameters for quick output

ON	CV	T	00:00:16	06.80w	(A)
	U	I	OVP	OCP	
M1	05.12v	05.000A	32.00v	10.200A	
M2	14.97v	04.960A	16.00v	05.100A	
M3	07.00v	02.000A	08.00v	02.500A	
M4	15.00v	02.000A	32.00v	03.400A	
Set		Limit			
30.00 v		10.065 A		32.00 v 10.200 A	

5. Independent output On/Off button control, protect the circuit. Long press to set the automatic output voltage/current 5 seconds after booting.



6. Support programming output by PC software via USB host, SCPI digital communication function.



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

		SPE3051(U)	SPE3102(U)	SPE6102(U)	SPE6053(U)	SPE3103(U)	SPE6103(U)
Rated Output (0°C-40°C)	Voltage	0 - 30V	0 - 30V	0 - 60V	0 - 60V	0 - 30V	0 - 60V
	Current	5A	10A	5A	10A		
	Output Power	150W	200W	300W			
USB Output		5V/1A(SPE series) or 18W output, for fast charging under QC 2.0, QC 30., BC 1.2, and mainstream quick charging protocols (SPE-U series)					
Load Regulation	Voltage	≤30mV					
	Current	≤20mA					
Power Regulation	Voltage	≤30mV					
	Current	≤20mA					
Setting Resolution	Voltage	10mV					
	Current	1mA					
Readback Resolution	Voltage	10mV					
	Current	1mA					
Ripple/Noise (*)	Voltage(Vp-p)	≤30mVp-p	≤50mVp-p	≤30mVp-p	≤50mVp-p		
	Voltage (rms)	≤3mVrms	≤5mVrms	≤3mVrms	≤5mVrms		
	Current (Ap-p)	≤30mA p-p					
Response Time (50%-100% rated load)		≤1.0ms					
Storage		4 groups of data					
Working Temperature		0-40°C					
Display		2.8 inch color LCD display					
Dimension		82 x 142 x 226 (mm)					
Weight		Approx. 2.00kg					
Interface		USB					

Specifications subject to change without prior notice.

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

+ Accessories

The accessories subject to final delivery.



Power Cord



Quick Guide



USB Cable



Fuse



Test Leads
(optional)