

## SP1000 Series 30W~180W

### Introduction

The SP1000 series linear DC power supplies are made with 1 output channel, rated power from 15W to 180W, with 3 digits LED display. With linear copper transformer, the relay converts the secondary output voltage with high efficiency. The intelligent cooling fan controls its speed according to temperature, greatly reducing noise and prolonging its service life. With pure DC output and low ripple & Noise, the SP1000 DC power supplies are an excellent choice for use in schools, charging batteries and burnt-in test of electronic products.

### Features

- ✓ Constant voltage and constant current operations
- ✓ Auto CV/CC switch
- ✓ Coarse and Fine control for voltage and current
- ✓ Over current protection (OCP) and Over temperature protection (OTP)
- ✓ Short circuit protection by current limitation
- ✓ Intelligent cooling fan

### Product photo



**SP-1305**



**SP-1305D**

## Specifications

Model	3 digits LED display model	4 digits LED display model
<b>Constant voltage operation</b>		
Line regulation	≤0.01%+5mV	
Load regulation	≤0.01%+5mV	
Ripple & Noise	≤3mVrms	
<b>Constant current operation</b>		
Line regulation	≤0.01%+5mA	
Load regulation	≤0.01%+5mA	
Ripple & Noise	≤5mArms	
<b>Display</b>		
Voltmeter	3 digits LED display	4 digits LED display
Ammeter	3 digits LED display	4 digits LED display
Accuracy	±(1% of reading + 2 digit)	
<b>General</b>		
Protection	Over current protection, fixed 105% of rated current. Over temperature protection: when internal temperature reaches 100°C±10°C, OTP is activated and the output will be shut down. Short circuit protection by current limitation	
Operating environment	0°C~40°C, ≤80%RH	
Storage environment	-10°C~70°C, ≤70%RH	
Power source	AC115V/230V±10% selectable, 50/60Hz	
Accessories	Power cord x1, Operation manual x1	
Dimensions	S1 chassis: 125Wx155Hx170D mm S2 chassis: 125Wx160Hx260D mm	

## Selection guide

Model	Rated Output	Voltage Display	Current Display	Weight / kg
<b>3 Digits LED Display</b>				
S1 chassis: 125W*155H*170D mm				
SP-1152	0-15V 0-2A	0.00-9.99-10.0-16.0V	000.-999.mA 1.00-2.10A	2.1
SP-1153	0-15V 0-3A	0.00-9.99-10.0-16.0V	000.-999.mA 1.00-3.10A	2.3
SP-1155	0-15V 0-5A	0.00-9.99-10.0-16.0V	000.-999.mA 1.00-5.10A	2.6
SP-1302	0-30V 0-2A	0.00-9.99-10.0-32.0V	000.-999.mA 1.00-2.10A	3.2
S2 chassis: 125W*160H*260D				
SP-1303	0-30V 0-3A	0.00-9.99-10.0-32.0V	000.-999.mA 1.00-3.10A	4.1
SP-1305	0-30V 0-5A	0.00-9.99-10.0-32.0V	000.-999.mA 1.00-5.10A	4.7
<b>4 Digits LED Display</b>				
S1 chassis: 125W*155H*170D mm				
SP-1152D	0-15V 0-2A	00.00-16.00V	0.000-2.100A	2.1
SP-1153D	0-15V 0-3A	00.00-16.00V	0.000-3.100A	2.3
SP-1155D	0-15V 0-5A	00.00-16.00V	0.000-5.100A	2.6
S2 chassis: 125W*160H*260D				
SP-1303D	0-30V 0-3A	00.00-32.00V	0.000-3.100A	4.1
SP-1305D	0-30V 0-5A	00.00-32.00V	0.000-5.100A	4.7
SP-1602D	0-60V 0-2A	00.00-62.00V	0.000-2.100A	4.1
SP-1603D	0-60V 0-3A	00.00-62.00V	0.000-3.100A	4.7

Specifications are subject to change without prior notice.