

# Linear Mode DC Power Supply

## SINGLE OUTPUT



### SP1000 SERIES

### FEATURES



- Constant voltage and constant current operations
- Auto CV/CC switch
- Coarse and Fine control for voltage and current
- Over current and over temperature protections
- Short circuit protection by current limitation
- Intelligent cooling fan



### SPECIFICATIONS

Constant voltage operation	
Line regulation	$\leq 0.01\% + 5\text{mV}$
Load regulation	$\leq 0.01\% + 5\text{mV}$
Ripple & Noise	$\leq 3\text{mVrms}$
Constant current operation	
Line regulation	$\leq 0.01\% + 5\text{mA}$
Load regulation	$\leq 0.01\% + 5\text{mA}$
Ripple & Noise	$\leq 5\text{mA}_{\text{rms}}$
Display	
Accuracy	$\pm(1\% \text{ reading} + 1 \text{ digit})$
General	
Operating environment	$0^{\circ}\text{C} \sim 40^{\circ}\text{C}$ , $\leq 80\% \text{RH}$
Storage environment	$-10^{\circ}\text{C} \sim 70^{\circ}\text{C}$ , $\leq 70\% \text{RH}$
Power source	AC110V/220V $\pm 10\%$ , 50/60Hz
Accessories	Power cord x1, Operation manual x1

### SELECTION GUIDE

Model	Rated Output	Voltage Display	Current Display	Weight
S1 chassis: 125x155x170mm (WxHxD)				
SP-1152	0~15V / 0~2A	0.00-9.99-10.0-16.0V	000.-999.mA-1.00-2.10A	2.1kg
SP-1153	0~15V / 0~3A	0.00-9.99-10.0-16.0V	000.-999.mA-1.00-3.10A	2.3kg
SP-1155	0~15V / 0~5A	0.00-9.99-10.0-16.0V	000.-999.mA-1.00-5.10A	2.6kg
SP-1301	0~30V / 0~1A	0.00-9.99-10.0-32.0V	000.-999.mA-1.00-3.10A	2.6kg
SP-1302	0~30V / 0~2A	0.00-9.99-10.0-32.0V	000.-999.mA-1.00-2.10A	2.7kg
SP-1601	0~60V / 0~1A	00.0-62.0V	000.-999.mA-1.00-1.10A	2.7kg
S2 chassis: 125x160x260mm (WxHxD)				
SP-1185	0~18V / 0~5A	0.00-9.99-10.0-19.0V	000.-999.mA-1.00-5.10A	3.8kg
SP-1303	0~30V / 0~3A	0.00-9.99-10.0-32.0V	000.-999.mA-1.00-3.10A	3.8kg
SP-1305	0~30V / 0~5A	0.00-9.99-10.0-32.0V	000.-999.mA-1.00-5.10A	4.3kg
SP-1602	0~60V / 0~2A	00.0-62.0V	000.-999.mA-1.00-2.10A	4.1kg
SP-1603	0~60V / 0~3A	00.0-62.0V	000.-999.mA-1.00-3.10A	4.7kg