

Switching Mode DC Power Supply

SINGLE OUTPUT

FEATURES

- Adopts PWM pre-regulation and linear adjustment
- Constant voltage and constant current operations
- Auto CV/CC switch
- Coarse and Fine control for voltage and current
- Over voltage, over current and over temperature protections
- Intelligent cooling fan

SP SERIES



SPECIFICATIONS

Constant voltage operation	
Line regulation	$\leq 0.05\% + 1\text{mV}$
Load regulation	$\leq 0.1\% + 5\text{mV}$
Ripple & Noise	$\leq 10\text{mVrms}$
Constant current operation	
Line regulation	$\leq 0.05\% + 10\text{mA}$
Load regulation	$\leq 0.1\% + 10\text{mA}$
Ripple & Noise	$\leq 20\text{mArms}$
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
S2 chassis: 125x160x260mm (WxHxD), approx.2kg			
SP-1505	0~15V / 0~5A	0.00-9.99-10.0-16.0V	000.-999.mA-1.00-5.10A
SP-1510	0~15V / 0~10A	0.00-9.99-10.0-16.0V	0.00-9.99-10.0-10.1A
SP-1515	0~15V / 0~15A	0.00-9.99-10.0-16.0V	0.00-9.99-10.0-15.1A
SP-1520	0~15V / 0~20A	0.00-9.99-10.0-16.0V	0.00-9.99-10.0-20.1A
SP-3003	0~30V / 0~3A	0.00-9.99-10.0-32.0V	000.-999.mA-1.00-3.10A
SP-3005	0~30V / 0~5A	0.00-9.99-10.0-32.0V	000.-999.mA-1.00-5.10A
SP-3010	0~30V / 0~10A	0.00-9.99-10.0-32.0V	0.00-9.99-10.0-10.1A
SP-6002	0~60V / 0~2A	00.0-62.0V	000.-999.mA-1.00-2.10A
SP-6003	0~60V / 0~3A	00.0-62.0V	000.-999.mA-1.00-3.10A
SP-6005	0~60V / 0~5A	00.0-62.0V	000.-999.mA-1.00-5.10A
SP-1001	0~100V / 0~1A	00.0-99.9-100-102V	000.-999.mA-1.00-1.10A
SP-1002	0~100V / 0~2A	00.0-99.9-100-102V	000.-999.mA-1.00-2.10A
SP-1003	0~100V / 0~3A	00.0-99.9-100-102V	000.-999.mA-1.00-3.10A
SP-12001	0~120V / 0~1A	00.0-99.9-100-122V	000.-999.mA-1.00-1.10A
SP-12002	0~120V / 0~2A	00.0-99.9-100-122V	000.-999.mA-1.00-2.10A