

## Rain-proof Power Supply

### SR-100W-12



### Feature:

- 100W Single Output Rain-proof Power Supply
- Output voltage & current: DC12V 8.5A
- Input voltage range: 180~240VAC
- Built in EMI filter with tiny ripple
- 100% full load burn-in test
- Air Cooling
- Built-in constant current limiting circuit (C.C.+C.V.mode);
- Protection: Short circuit/ Overload/ Over voltage/ Over temperature

CE FC



Short circuit



Overload



Over voltage



AC-DC



## Specification:

|                    | Model   | SR-100W-12   |
|--------------------|---|--|
| <b>Output</b>      | DC output Voltage   | 12V±1%   |
|                    | Output Current Range  | 0-8.5A   |
|                    | Wave and Noise  | 120mVp-p   |
|                    | DC output Power   | 100W   |
|                    | Efficiency  | 85%  |
|                    | DC Voltage Adjustable Scope   | (at full load)≤0.5%  |
| <b>Input</b>       | Voltage Range   | 180~240VAC 47-63Hz   |
|                    | Input Current   | 0.45A/230V   |
|                    | Leakage Current   | <1mA/ 240VAC   |
|                    | Inrush Current  | Cold start 36A/ 230VAC   |
| <b>Protection</b>  | Over-load   | 105%~135%, Protection type: Constant current limiting, recovers automatically after fault condition is removed |
|                    | Over-voltage  | 105%---150% Rated Voltage, Protection type: Shut off   |
|                    | High-temperature  | RTH3>=65°C FAN ON<=55°C FAN OFF>=80°C<br>Cut off output(5~15V)   |
| <b>Environment</b> | Working temperature & humidity  | -10°C~+50°C, 20~90%RH  |
|                    | Store temperature & humidity  | -20°C~+85°C, 10~95%RH  |
|                    | Temperature coefficient   | ±0.03%/°C(0~50°C)  |
|                    | Vibration   | 10~500Hz,2G 10min./1cycle,Period for 60min,EACH AXES   |
| <b>Safety</b>      | Withstand voltage   | I/P-O/P: 1.5KVAC, I/P-FG: 1.5KVAC, O/P-FG: 0.5KVAC   |
|                    | Isolation resistance  | I/P-O/P,I/P-FG,O/P-FG: 100M Ohms/500VDC  |
| <b>Standard</b>    | CE EMC Standard   | EN55015:2013+A1:2015, EN61547:2009, EN61000-3-2:2014, EN61000-3-33:2013  |
|                    | CE LVD Standard   | EN61347-2-13:2014+A1:2017, EB61347-1:2015  |
|                    | ROHS Standard   | IEC 62321: 2013, EPA3050B:1996, EN1122:2001, EPA3052:1996, EPA3060A, etc.                                      |
| <b>Other</b>       | Dimension   | 72*36*133mm (L*W*H)  |
|                    | Weight  | 0.26kg   |
| <b>Notes</b>       | <ol style="list-style-type: none"> <li>1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.</li> <li>2. Ripple &amp; noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf &amp; 47uf parallel capacitor.</li> <li>3. Tolerance : includes set up tolerance, line regulation and load regulation.</li> <li>4. I/P-O/P: Input and output interval, I/P-FG: Input and enclosure, O/P-FG: Output and enclosure</li> </ol> |  |