

## AC/DC Switching Power Supply

### AN120- 100W metal case



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| Item No.        | Input Voltage | Output Voltage | Output current | Output power | Efficiency | Total adjustment rate |
|-----------------|---------------|----------------|----------------|--------------|------------|-----------------------|
| AN120W100-12V9A | 100~240V      | 12V            | 8A             | 100W         | 82%        | .+/-5%                |
| AN120W100-15V7A | 100~240V      | 15V            | 7A             | 100W         | 83%        | .+/-5%                |
| AN120W100-24V5A | 100~240V      | 24V            | 5A             | 120W         | 84%        | .+/-5%                |

### Key Specifications

#### 1) Input:

- a) Universal AC voltage , or Linear voltage
- b) Frequency: 50/60Hz
- c) Line regulation range: max.  $\pm 0.5\%$

#### 2) Output:

- a) Line regulation range: max.  $\pm 0.5\%$
- b) Ripple and noise (Vpp): <1% of output voltage
- c) Adjustable range of output voltage: +5%, -3%
- d) Turn-on time:  $\leq 1s$  @ AC input 240V and  $I_o=100\%$
- e) Hold-up time:  $\geq 20ms$  @ AC input 240V and  $I_o=100\%$

#### 3) Protection:

- a) Over loading protection: 115-150% of rated power, when it happened, the power shuts down automatically; when trouble removed the power recovers itself
- b) Over voltage protection: 130-150% of rated voltage
- c) Over current protection

4) Insulated intensity in-out: 1,500V/5mA, 60s

5) Insulated resistance in-out:  $\geq 50m \Omega$  , DC500V

#### 6) Environmental requirements:

- a) Operating temperature: 0-40°C
- b) Operating humidity: 10-90% RH (no freezing dew)

- c) Storage temperature: -20-85°C
- d) Storage humidity: 10-95% RH (no freezing dew)

**7) Elevation:** <3,000m

**8) Dimensions** (L x W x H): 160 x 98 x 42mm or as required

9) Weight: 510g/pc or as required

10) EMC: EN55022, GB3954, CE, GS, UL, PSE, CCC, etc..

**11) Storage:**

- a) Warehouse temperature: -25-75°C
- b) Humidity: 10-95%
- c) Avoid harmful air, flammable and corrosive things
- d) No vibration, collision, and magnet
- e) Packing box should be 20cm high from ground, away from heat, window and air entrance
- f) Can be stored for 2 years if conditions are all fine
- g) Examination needed after 2 years' storage