

## AC/DC power supply

### AN121- 30W - open frame type (four output)



CB



CE

Item No.	Input Voltage	Output Voltage	Output current	Output power	Efficiency	Total adjustment rate
AN121W30-3.3-5	100~240V	3.3V/5V/12V/-12V	2A/1.5A/0.5A/0.5A	30W	70%	.+/-5%
AN121W30-3.3-12	100~240V	3.3V/12V/24V/-12V	1A/1A/0.3A/0.5A	30W	72%	.+/-5%
AN121W30-3.3-24	100~240V	3.3V/24V/12V/-12V	1A/0.5A/1A/0.5A	30W	73%	.+/-5%
AN121W30-5.0-12	100~240V	5.0V/12V/7.5V/-5V	2A/1A/0.5A/0.5A	30W	75%	.+/-5%
AN121W30-5.0-24	100~240V	5.0V/24V/7.5V/-5V	2A/0.3A/1A/0.5A	30W	78%	.+/-5%
AN121W30-5.0-36	100~240V	5.0V/36V/12V/-5V	2A/0.2A/0.5A/0.5A	30W	80%	.+/-5%
AN121W30-6.0-9	100~240V	6.0V/9V/12V/-9V	2A/1A/0.5A/0.5A	30W	81%	.+/-5%
AN121W30-6.0-12	100~240V	6.0V/12V/24V/-12V	1A/1A/0.25A/0.5A	30W	82%	.+/-5%
AN121W30-6.0-24	100~240V	6.0V/24V/7.5V/-24V	1A/0.3A/0.8A/0.5A	30W	83%	.+/-5%
AN121W30-12.0-18	100~240V	12.0V/18V/12V/-5V	0.5A/0.5A/0.5A/1A	30W	84%	.+/-5%
AN121W30-12.0-24	100~240V	12.0V/24V/7.5V/-3.3V	0.5A/0.5A/1A/1A	30W	85%	.+/-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) EMC: EN55022, GB3954, CE, GS, UL, PSE, CCC, etc..

**9) 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

**10) PCB dimensions : 137\*70\*26mm or as required**