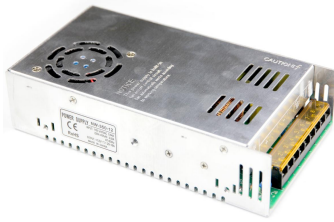




500W LED POWER SUPPLY SINGLE OUTPUT

Dimension
L: 215 mm
W:115 mm
H:50mm
Weight: 0.8Kg



Applications

- Industrial controlsystem
- Industrial automation machinery
- Mechanical and electrical equipment
- Electronic instruments, equipments or apparatus
- LED Lighting Series

Features

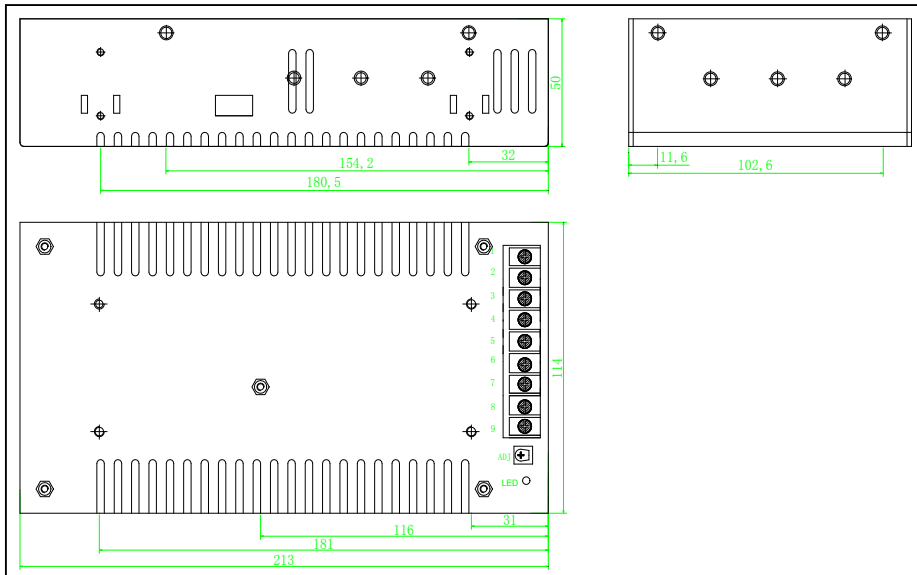
- International broad voltage AC input
- Protection: short-circuit, overload,overheat
- 100% full-load aged
- 300VAC surge for 5 seconds withstandable
- Working temperature up to 60℃
- 5G vibration tested
- High efficiency, long life span, and high reliability
- 3 years warranty



Specifications

| Product No. | | CNW-500-12 | CNW-500-15 | CNW-500-24 | CNW-500-48 | | | |
|----------------------------|---|---|------------|------------|------------|--|--|--|
| Output | DC voltage | 12V | 15V | 24V | 48V | | | |
| | Rated Current | 41A | 33.3A | 21A | 10.4A | | | |
| | Current Range | 0-41A | 0-33.3A | 0-21A | 0-10.4A | | | |
| | Rated Power | 500W | 500W | 500W | 500W | | | |
| | Ripple and Noise(Max)Note.2 | 150mVp-p | 180mVp-p | 240mVp-p | 250mVp-p | | | |
| | Voltage adjustment | 10.8-13.2V | 13.5-16.5V | 22-27.6V | 44-52V | | | |
| | Voltage Accuracy Note3 | ±1% | ±1% | ±1% | ±1% | | | |
| | Linear Adjustment Note4 | ±0.5% | ±0.5% | ±0.5% | ±0.5% | | | |
| | Load Adjustment Note5 | ±0.5% | ±0.5% | ±0.5% | ±0.5% | | | |
| | Start and rise time | 1000ms,30ms/230VAC | | | | | | |
| Hold time (Typ) | 50ms/230VAC | | | | | | | |
| Input | Voltage range | AC 220±15% | | | | | | |
| | Frequency range | 50HZ | | | | | | |
| | Efficiency (Typ) | 80% | 81% | 82% | 82% | | | |
| | AC current (Typ) | 4.7/220V | | | | | | |
| | Surge current (Typ) | Cold Start: 65A/230VAC | | | | | | |
| | Current leak | <2mA/240VAC | | | | | | |
| Protection | Overload | Larger than 105% of capacity restoration after abnormity removed | | | | | | |
| | Overvoltage | Protection type: Turn off the output voltage and resume after restart | | | | | | |
| | Overheat | | | | | | | |
| Environment | Working temp. | -20~+60℃ (Refer to the tenuation curve) | | | | | | |
| | Working humidity | 20~90% RH, without condense | | | | | | |
| | Storage temp & hmdty | -40~+80℃ | | | | | | |
| | Temp. coefficient | ±0.03%/℃ (0~50℃) | | | | | | |
| | Vibration proof | 10~500HZ,5G 10min / cycle, X、Y、Z axes 60 min each | | | | | | |
| Safety reg. & EMC (Note.6) | Safety regulation | GB195110.1-2004/IEC61347-1:2003 CE(EMC+LVD) | | | | | | |
| | Voltage proof | I/P-O:1.5KVAC I/P-FG:1.5KVAC O/P-FG:0.5KVAC | | | | | | |
| | insulation resistance | I/P-O/P, I/P-FG,O/P-FG:100M Ohms/500VDC/25℃/70% RH | | | | | | |
| | EMC irradiation | EN 55022A:2006;EN61000-3-2:1995+A2:2005 | | | | | | |
| | EMC disturbance proof | EN 61000-3-2:2006; | | | | | | |
| Dimensions | Dimensions | 215*115*50mm(L*W*H) | | | | | | |
| | Packing | 0.8kg/PCS;24PCS/21.2kg | | | | | | |
| Notes: | 1. Unless specially indicated, all data are taken under 230VAC input, rated load and 25℃ environment temp. 2.Ripple and noise: measured with a 12" double ripple cord connected in parallel with a 0.1μF and a 47 μF capacitor on 20MHz bandwidth. 3.Accuracy: including preset errors, linear adjustment rate and load adjustment rate. 4.Linear adjustment: taken under rated load from low voltage to high voltage. 5.Load adjustment: taken under 0~100% of rated load. 6. Power supply is taken as part of the whole system, and needs to be confirmed with terminal instruments for EMC. | | | | | | | |

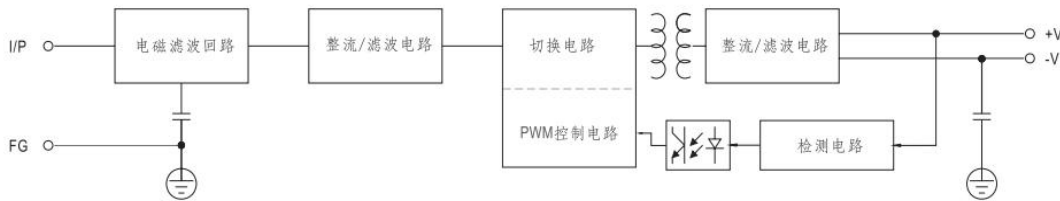
Appearance



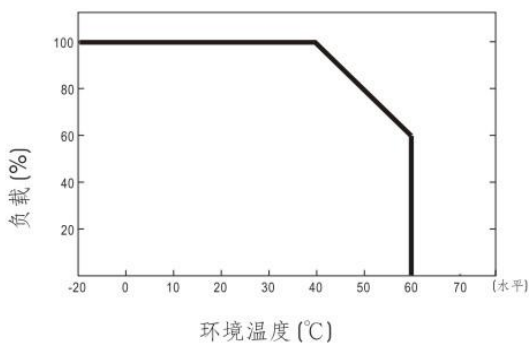
Terminal foot definition

| Foot No. | Foot func. | Foot No. | Foot func. |
|----------|------------|----------|------------|
| 1 | AC/L | 6 | OUTPUT- |
| 2 | AC/N | 7 | OUTPUT+ |
| 3 | FG | 8 | OUTPUT+ |
| 4 | OUTPUT- | 9 | OUTPUT+ |
| 5 | OUTPUT- | - | - |

Frame diagram



Tenuation curve



Static property cur

