# LED POWER SUPPLY

400W@12V | 400W@24V | 400W@48V | IP67

SANPU

**Features:**

- 175-240V AC input
- Single Output
- 85% high efficiency
- 100% full load bur-in test
- Protection: OTP,OLP,OVP,SCP
- CE ROHS Certified
- 3 year warranty

**Applications:**

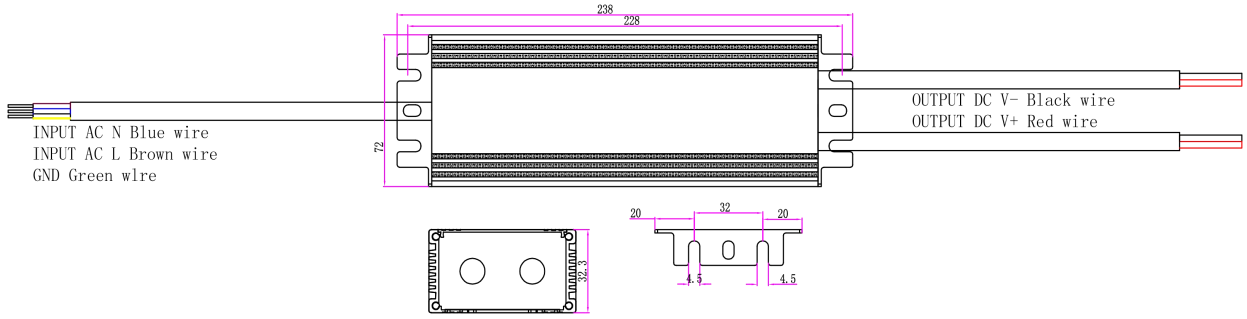
- Outdoor LED lighting
- LED office lighting
- LED commercial lighting
- LED decorative lighting

## Specifications

| Product Code | | CLPS400-H1V12 | CLPS400-H1V24 |
|---|---|---|---|
| Output | DC Voltage | 12V | 24V |
| | Rated Current | 33.3A | 16.67A |
| | Current Range | 0~33.3A | 0~16.67A |
| | Voltage tolerance | ±5% | ±5% |
| | Rated Power | 400W | 400W |
| | Ripple & Noise | <240mVp-p | <120mVp-p |
| | Set-up, Rise , Hold-up Time | 200ms, 100ms , 30ms | |
| Input | Input voltage range | 175-240 VAC | |
| | Frequency Range | 50~60Hz | |
| | AC Current | 5.10A / 115VAC; 2.55A / 230VAC | |
| | Efficiency | 90% | 92% |
| | PF | 0.9 | |
| Protection | Over Load | **Above 110%-150% of rated power** | |
| | | Shut-down output voltage, auto recovery after fault condition is removed | |
| | Over Voltage | **Above Max. Voltage (105% of rated voltage)** | |
| | | Shut-down output voltage, auto recovery after fault condition is removed | |
| | Over Temperature | **Over 130°C detected on main IC control** | |
| | | Shut-down output voltage, auto recovery after fault condition is removed | |
| Ambiant | Working Temp. & humidity | "-20°C~+60°C, 20%~90%RH | |
| | Storage temp. & humidity | "-40°C~+85°C, 10%~95%RH | |
| Tesings | Withstand voltage | I/P-O/P: 1.5KVAC/1min; I/P-F/G: 1.5KVAC/1min;O/P-F/G: 0.5KVAC/1min; | |
| | Safety | GB4943 ;IEC60950-1; EN60950-1 | |
| | EMC | EN 55032:2015+A11:2020<br>EN IEC 61000-3-2:2019+A1:2021<br>EN 61000-3-3:2013+A2:2021<br>EN55035:2017+A11:2020 | |
| | LVD | EN60950-1:2006+A11:2009+A1:2010+A12:2011+A2:2013 | |
| Others | Demension(L*W*H) | 240*72*32.3mm | |
| | Packing | 1.01kg/pcs, 20pcs/21kg/CTN | |

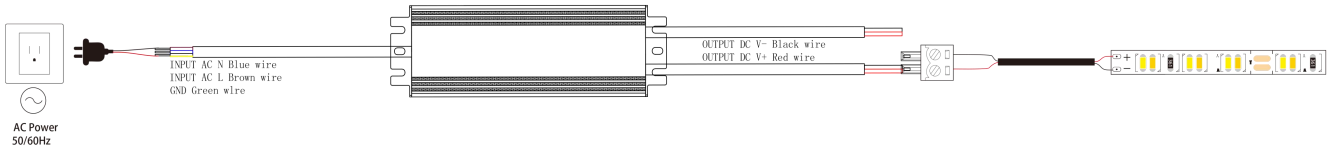
## Mechanical Structures

### ■Drawing & Installation Hole

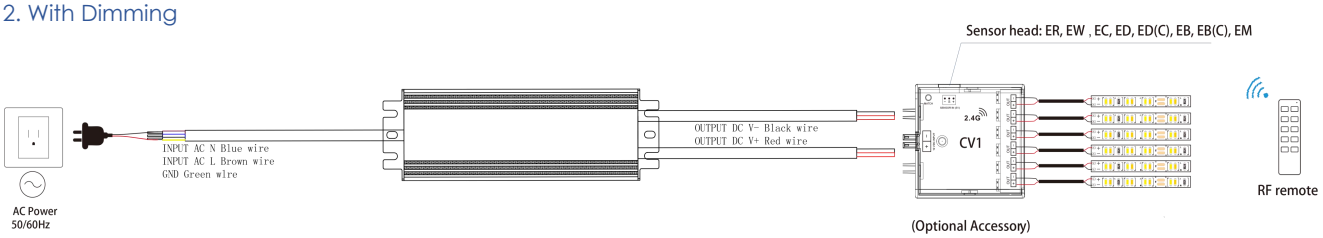



## Wiring Diagram

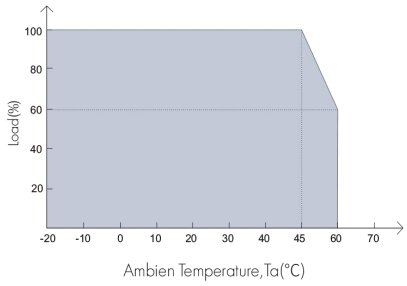
### 1. Without Dimming

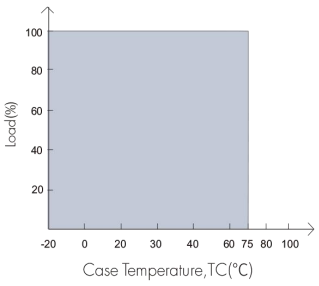



### 2. With Dimming

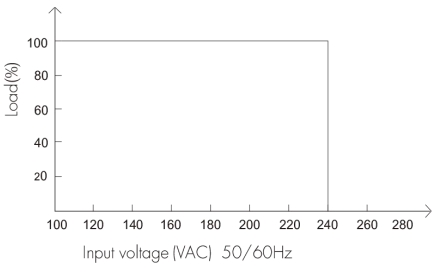



### ■Outputload VS Temperature




### ■Static characteristic




**Notes:**

1. The above mentioned data were measured at 230VAC input and 25°C.
2. Dis-connect the AC input before checking any mal-phenomenons.
3. Make sure the INPUT&OUPUT were in right situation before connected to power supply.
4. Datesheet for reference only. We suggest you take sampling before mass orders.