



# 60W 24V DC LED Power Supply

MODEL HPS-24E60  
INPUT 90~264V AC  
OUTPUT 24V DC 2.5A 60W



SELV

### Features:

- With built-in Active PFC(Power Factor Corrector), PF> 0.9
- Meet the IEC energy efficiency standards.5 Years warranty
- Waterproof IP67,suitable for indoor or outdoor LED application
- Long life span waterproof LED power supply with high efficiency
- With EMC, meet the newest electromagnetic compatibility standard
- Seamless aluminum housing with Class I design & Cooling by free air convection
- Protection: undervoltage/short circuit/over voltage/over load/over temperature

### INPUT

|                   |  |
|-------------------|--|
| INPUT VOLTAGE     | 90~264V AC<br>(Refer to the derating curve of "Loading and Input voltage") |
| FREQUENCY RANGE   | 47~63Hz  |
| EFFICIENCY        | 89%  |
| AC CURRENT        | ≤ 0.32A@230VAC   |
| AC INRUSH CURRENT | 45A@230VAC   |
| LEAKAGE CURRENT   | 0.5mA/254.4VAC   |

### OUTPUT

|                   |                    |
|-------------------|--------------------|
| DC OUTPUT         | 24V                |
| OUTPUT CURRENT    | 2.5A               |
| RATED POWER       | 60W(Max)           |
| VOLTAGE TOLERANCE | ±5%                |
| RIPPLE NOISE      | 200mV P-P(Max)     |
| SETUP RISE TIME   | 2000mS(Max)@230VAC |

### PROTECTION

|               |   |
|---------------|---|
| OVER LOAD     | 95%-105% rated power,<br>Protection Type:auto-recovery,<br>after fault condition is removed |
| SHORT CIRCUIT | Protection Type:recovery<br>automatically after fault condition<br>is removed               |

### ENVIRONMENT

|                       |   |
|-----------------------|---|
| OPERATING TEMPERATURE | -25°C~+60°C<br>(Refer to the derating curve of "Loading and Ambient temperature") |
| OPERATING HUMIDITY    | RH=5%~95%   |
| STORAGE TEMPERATURE   | -35°C~+65°C   |

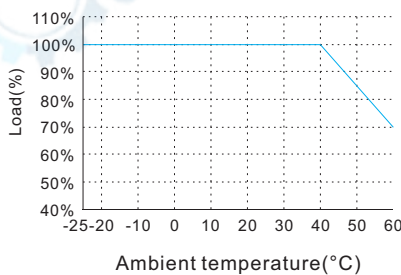
### SAFETY & EMC

|                             |   |
|-----------------------------|---|
| SAFETY STANDARDS            | IEC61347 A1 +A14  |
| EMC                         | EN 55015;EN 61547;EN 61000-3-2;<br>EN 61000-3-3                               |
| WITHSTAND VOLTAGE ISOLATION | I/P-FG:1.5KV AC I/P-O/P:3.0KV AC<br>I/P-O/P:> 100M Ohms/500VDC/25°C<br>/75%RH |

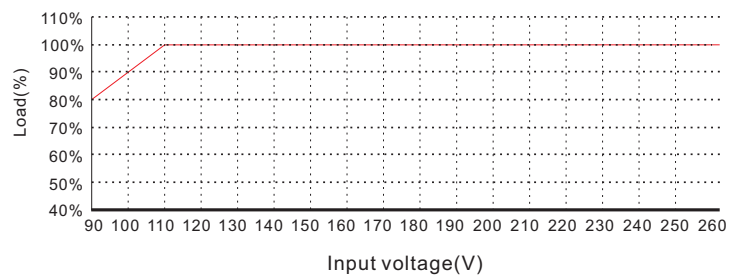
### OTHERS

|                   |               |
|-------------------|---------------|
| PRODUCT DIMENSION | 227x71.5x38mm |
| NET WEIGHT        | 0.96Kg        |
| QUANTITY          | 10PCS         |
| PACKING DIMENSION | 315x265x225mm |
| GROSS WEIGHT      | 11.5KG        |

### LOADING AND AMBIENT TEMPERATURE



### LOADING AND INPUT VOLTAGE



### INSTALLATION GUIDE

- The LEDs will work abnormal when the power supply is overloaded or short circuited.
- Ventilation is important for a power supply for longer life span. Do not install the power supply in a place that is completely sealed, or near objects flammable&explosible,or easily be flooded.
- To make sure brightness of each LED is even, pls use the right electrical wire according to actual loading.

## PRODUCT DIMENSION



## INSTALLATION DIMENSION



## FRONT VIEW



## TOP VIEW



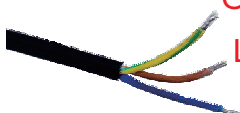
## AC INPUT DIAGRAM



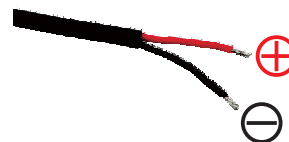
G: Yellow/Green

L: Brown

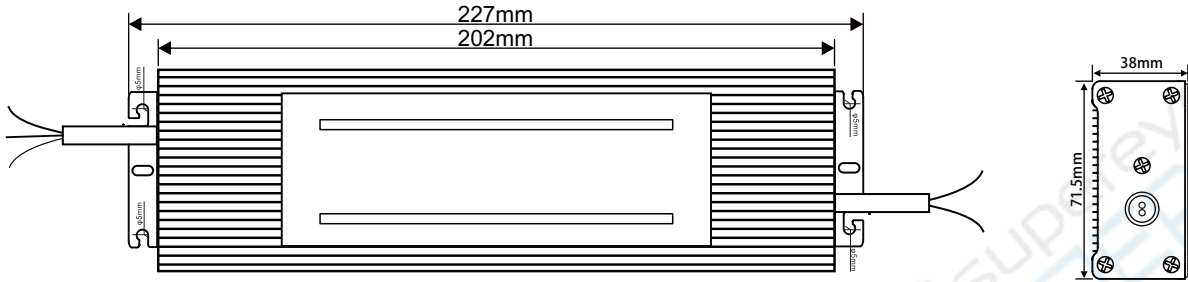
N: Blue



## DC OUTPUT DIAGRAM



■ PRODUCT DIMENSION



■ INSIDE BOX

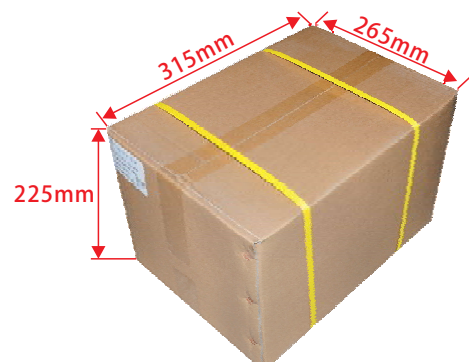


NET WEIGHT/pcs:0.96kg

■ OUTSIDE CARTON



10pcs/CTN



Weight:11.5kg