



SELV CE    **IP68**  CCS-220778-EA

## LED Power Supply

MODEL TLG-12E300C  
INPUT 180~264V AC

### Features:

- Slimline design with fully sealed aluminum housing
- Waterproof IP68, suitable for any Working Environment
- With the newest topological structure, average efficiency up to 90%
- Protections: Short circuit/Over load
- 100% full load burn-in test

### INPUT

|                   |   |
|-------------------|---|
| INPUT VOLTAGE     | 180~264V AC<br>(Refer to the derating curve of "Loading and Input voltage") |
| FREQUENCY RANGE   | 50/60Hz   |
| EFFICIENCY        | 90%   |
| AC CURRENT        | ≤3.1A@230VAC  |
| AC INRUSH CURRENT | 60A@230VAC  |
| LEAKAGE CURRENT   | 0.75mA/230VAC   |

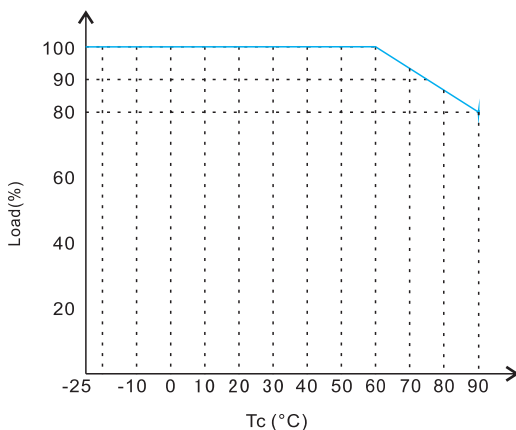
### PROTECTION

|               |   |
|---------------|---|
| OVER LOAD     | 95%-120% 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               |

### SAFETY & EMC

|                   |   |
|-------------------|---|
| SAFETY STANDARDS  | IEC61347 A1 +A13                          |
| EMC               | EN 55015;EN 61547;EN 61000-3-3            |
| WITHSTAND VOLTAGE | I/P-FG:1.5KV AC I/P-O/P:3.0KV AC          |
| ISOLATION         | I/P-O/P:> 100M Ohms/500VDC/25°C<br>/75%RH |

### LOADING AND AMBIENT TEMPERATURE



### INSTALLATION GUIDE

- It is recommended to use no more than 80% of the rated load of a power supply, to have tolerance for the power increase of LED modules or strips when their running temperature goes up.
- It is very important to have enough ventilation for a power supply to avoid overheating.
- Do not install the power supply in a closed place, or near flammable or explosive objects, or in a place easily flooded.
- Choose wires with correct AWG or copper area for electrical connection according to the rated current.

### OUTPUT

|                   |                      |
|-------------------|----------------------|
| DC OUTPUT         | 12V                  |
| OUTPUT CURRENT    | 25.0A                |
| RATED POWER       | 300W                 |
| VOLTAGE TOLERANCE | ±5%                  |
| RIPPLE NOISE      | 2000mV P-P(Max.)     |
| SETUP RISE TIME   | ≤2000mS(Max.)/230VAC |

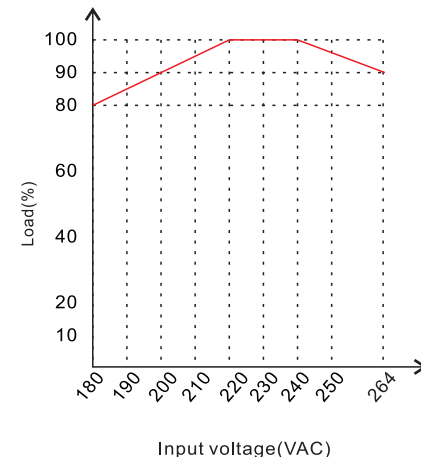
### ENVIRONMENT

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

### WEIGHT & PACKING

|                   |                              |
|-------------------|------------------------------|
| MTBF              | ≥438Khrs.MIL-HDBK-217F(25°C) |
| PRODUCT DIMENSION | 279x85x35mm                  |
| NET WEIGHT        | 1.63KG                       |
| QUANTITY/CARTON   | 10PCS                        |
| PACKING DIMENSION | 455x360x155mm                |
| GROSS WEIGHT      | 17KG                         |

### LOADING AND INPUT VOLTAGE



## OVERVIEW



## TOP VIEW



## FRONT VIEW



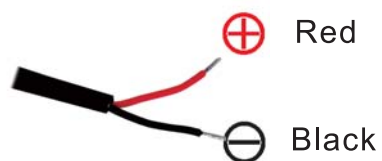
## BOTTOM VIEW



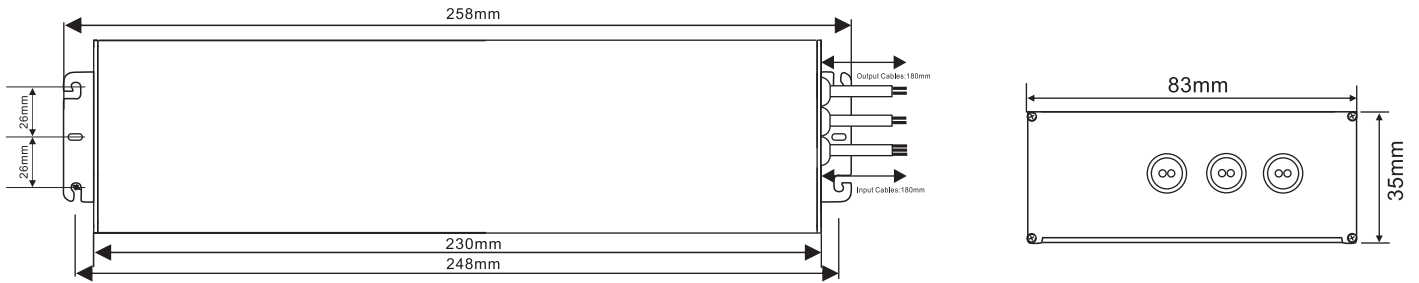
## AC INPUT CONNECTION



## DC OUTPUT CONNECTION



## PRODUCT DIMENSIONS



## INNER BOX



## OUTER CARTON

