Constant current driver for 100W LED

Model : CP-L100

Version : V1.0

Chargery Power Co., Ltd.

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1. Model：CP - L100

2. Application

The constant current driver is applied for 100W White/Blue power LED, The LED will be 10SnP (n=1~10).

3. Special Features：

- *Low profile with 30 mm max. height*
- *Universal AC input*
- *Regulated output*
- *EMI filter built in*
- *Overload and short circuit protection*

4. Environmental

- *Ambient Temperature : -10--50℃*
- *Ambient Humidity ： 5%--95%*
- *Storage Temp. ： -20℃--85℃*
- *Storage Humidity ： 30%--90%*
- *Vibration Frequency ： 5 to 50Hz*
- *MTBF：>100,000 Hours at full load and 25℃ ambient conditions*

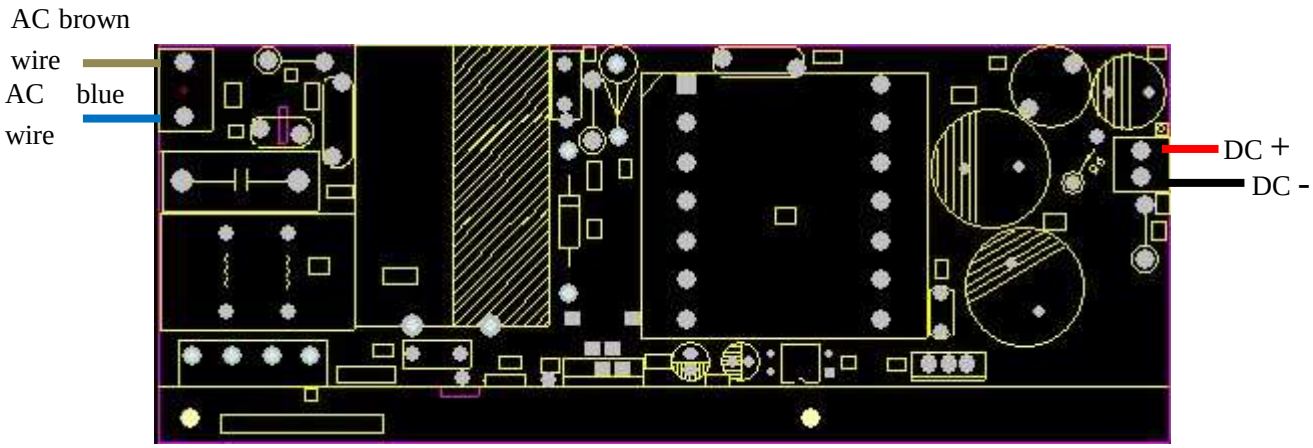
5. Electrical specifications

- *Input range ： 90~265VAC, Full range*
- *Rated Freq. ： 47 to 63Hz*
- *Inrush current ： 50.0 Amps maximum at any input range*
- *Input Current ： 1800mA maximum at 115/230 input range*
- *Efficiency ： 80% typical at 120VAC and maximum load*
- *Maximum power ： 100W*
- *Voltage regulation：±3% at constant voltage mode*
- *Hold up time ： 10ms minimum at 120VAC and 80% of raged load*
- *Output Voltage ： 33.0V~35.0V at no load, 32.0~34.0V at full load*
- *Output Current ： 2800mA +/- 2%*
- *Protection ： Overload and short circuit protection, output short circuit auto recovery*

6. Mechanical Characteristics

- *Size ： 130*52*30 (L*W*H, mm)*

- *Weight: 205g*
- *AC socket: 3PIN terminal*
- *DC socket: 2PIN terminal*



7. Warranty and Service

Chargery Power Co., Ltd. as manufacture of LED driver warrants its AC constant driver to be free of defects in material and workmanship. This warranty is effective for 12 months from date of purchase. If within the warranty period the customer is not satisfied with the products performance resulting from a manufacturing defect the accessory will be replaced or repaired. This warranty does not cover the damage due to wear, overloading, incompetent handling or using of incorrect accessories.

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