

## ETL CLASS 2 METAL CASE Non-DIMMABLE LED DRIVER

### ■ Features


**CLASS 2 CLASS P SELV**

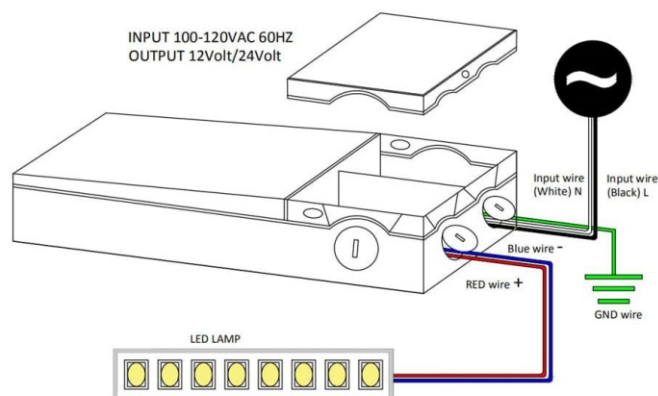


**IP20**

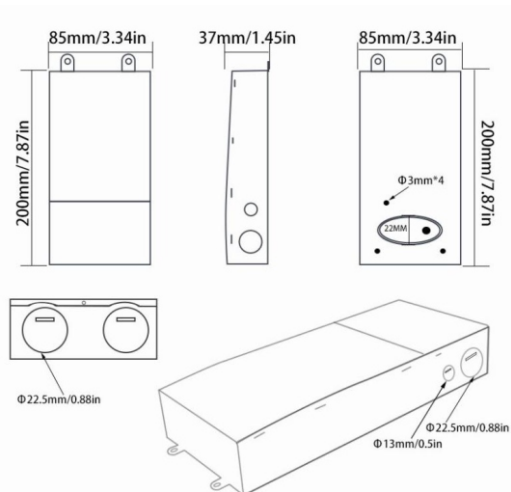
- Universal Input Voltage 100-120VAC & 200-240VAC
- Constant Voltage Output 12 or 24VDC
- Efficiency Up To 91%, PF ≥ 0.95
- Protection: SCP, OCP, OTP, OVP
- IP20, Suitable For Dry Location
- cETLus, CE, RoHS Certified
- Meet North American Requirements for Hardwired Installation
- 3 Years Limited Warranty
- Applications: LED Lightings, Signage and other applications



### ■ Connect Drawing



### ■ Dimensions



### ■ Package Information

| Items                          | Dim                               | Weight                    |
|--------------------------------|-----------------------------------|---------------------------|
| <b>Driver</b>                  | 39*90*213mm<br>1.5" * 3.5" * 8.4" | 0.55 kg/<br>1 1/4 lb      |
| <b>Carton<br/>(40 Drivers)</b> | 440*410*205mm<br>17" * 16" * 8"   | G.W:<br>22KG/ctn. 48.4 lb |

## ■ Electrical Specs

| MODEL  |                             | LS-PW-<br>ECV12W20-W | LS-PW-<br>ECV12W40-W | LS-PW-<br>ECV12W60-W | LS-PW-<br>ECV24W20-W | LS-PW-<br>ECV24W40-W | LS-PW-<br>ECV24W60-W | LS-PW-<br>ECV24W80-W | LS-PW-<br>ECV24W96-W |
|--------|-----------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| OUTPUT | Output Voltage              | 12V                  | 12V                  | 12V                  | 24V                  | 24V                  | 24V                  | 24V                  | 24V                  |
|        | Rated Current               | 1.66A                | 3.33 A               | 5.0A                 | 0.83A                | 1.66A                | 2.5A                 | 3.33A                | 4.0A                 |
|        | Rated Power                 | 20W                  | 40W                  | 60W                  | 20W                  | 40W                  | 60 W                 | 80W                  | 96 W                 |
|        | Ripple&Noise(max.)          | 250mVp-p             |                      |                      |                      |                      |                      |                      |                      |
|        | Voltage Tolerance           | ±0.5V                |                      |                      |                      |                      |                      |                      |                      |
|        | Voltage Regulation          | ±0.5%                |                      |                      |                      |                      |                      |                      |                      |
|        | Load Regulation             | ±1%                  |                      |                      |                      |                      |                      |                      |                      |
| INPUT  | Voltage Range               | 100~130VAC           |                      |                      |                      |                      |                      |                      |                      |
|        | Frequency Range             | 47~63Hz              |                      |                      |                      |                      |                      |                      |                      |
|        | Power Factor                | ≥0.95                |                      |                      |                      |                      |                      |                      |                      |
|        | THD(Typ.)@full load         | THD<20%              |                      |                      |                      |                      |                      |                      |                      |
|        | Efficiency (V in @ 110V AC) | ≥91%                 |                      |                      |                      |                      |                      |                      |                      |
|        | AC Current                  | 0.3A                 |                      |                      |                      |                      |                      |                      |                      |
|        | Inrush Current              | <60A/350uS@230Vac    |                      |                      |                      |                      |                      |                      |                      |
|        | Leakage Current             | <0.50mA              |                      |                      |                      |                      |                      |                      |                      |

|             |                 |                                                                                         |
|-------------|-----------------|-----------------------------------------------------------------------------------------|
| Protection  | ShortCircuit    | Shut Down Output and Back On Power After the Fault Condition Removed                    |
|             | Overtemperature | Shut off the Output and Back On Power When It Is Cool Down                              |
|             | OverLoading     | Up to 120%, Then Starts to Hiccup; It Will Be Back Normal When Faulty Condition Removed |
| Environment | WorkingTemp     | 30~+50°C                                                                                |
|             | WorkingHumidity | 20~95%RH,non-condensing                                                                 |

|                |                         |                                                                          |
|----------------|-------------------------|--------------------------------------------------------------------------|
|                | Storage Temp.& Humidity | -40~+80°C,10~95%RH                                                       |
| Safety&<br>EMC | SurgeRating             | Meet The Standards Of IEC61000-4-5 (L-N: 1KV; L/N-PG: 2KV)               |
|                | Hi-Pot Test             | I/P-O/P:3.75KVac,<5mA60S; I/P-FG:1.6KVac,<5mA60S;0/P-FG:0.5KVac, <5mA60S |
|                | Isolation Resistance    | I/P-O/P,I/P-FG,0/P-FG:500VDC,>100MΩ                                      |
|                | Certificates            | ETL,cETL,CE,RoHS                                                         |