

LED Driver

Preliminary

AC to DC LED Power Supply ,W / Dimming 200 Watts -

LF2200 Series

Features :

- Universal Input Voltage 90~305Vac .
- Available Two Various Constant Current Output.
- Compatible with 1 ~ 10Vdc Dimming Controller .
- Waterproof Design Use for Dry, Damp,Wet Location,IP67
- RoHS Compliant
- UL8750,cUL,FCC CE(EN55015,EN61347)
- Five Years Warranty



Specifications :

| | |
|---|---|
| AC Input Range : 90~305Vac / 3A ~ 1.0A / 47~63Hz | Turn-on/off delay time < 1 sec. at 115Vac ~ 305Vac |
| Input Inrush Current : <35A/115Vac,<70A/230Vac at cold start | Operation Temp. : -40°C ~ +50°C , Tc : 80°C |
| Leakage Current :<0.75mA / 230Vac ,Surge Immunity Test :6KVac | Storage Temp. : -40°C ~ +85°C,10~95%RH |
| PFC >0.92,THD <20% : Input 90Vac ~ 277Vac at 70% loading up | MTBF(@50°C) : >100,000 Hours,MIL-217F |
| THD <20%,PFC >0.93 : Input 90Vac ~ 230Vac at 50% loading up | Warranty : 5 years (Tc: < 80°C) |
| Efficiency : >90% at 70~100% load at 115Vac ~ 305Vac . | Safety : UL8750(Class 1),CUL , FCC B |
| Protection : OCP,SCP,OTP(Tc:82°C)-Recovery,OVP-Shut down | CE (EN55015 ,EN61547,EN61347,EN61000-3-2 class C) |
| Load Regulation (Constant Current) : +/-5% | Case Dimension : 236(L),74(W),40(H)mm |
| DC Output Current Ripple/Noise : +/-10% | Weight: 1300 Grams typ. |

Model Listing :

| Model | Constant Current Mode / Forward Voltage | | | Per Max. Output | Max. Output |
|--------------------|---|-------------------------|-----------------------|-----------------|-------------|
| | Output | Constant Current (If) | Forward Voltage(Vf) | | |
| LF2200-286286-FcSc | Fc | 300 ~ 550mA | 100 ~ 286V | 100W | 200W |
| | Sc | 300 ~ 550mA | 100 ~ 286V | 100W | |
| LF2200-160160-FcSc | Fc | 620 ~ 1000mA | 50 ~ 160V | 100W | 200W |
| | Sc | 620 ~ 1000mA | 50 ~ 160V | 100W | |
| LF2200-286160-FcSc | Fc | 300 ~ 550mA | 100 ~ 286V | 100W | 200W |
| | Sc | 620 ~ 1000mA | 50 ~ 160V | 100W | |

Model Information:

LF2200-XXXXXX-FcSc-DC

(Example:LF2200-286160-3562(Output1:143~286V / 350mA,Output2: 80 ~160V/620mA).

2200 = Two DC Output , 100Watt / Per Output ,Max. 200Watts .

XXX = First Output Voltages ,YYY = Second Output Voltages.

FcSc = First Output and Second Output Constant Current number.

| | | | |
|------------------------|-------------------------|-----------------------|-----------------------|
| 30= 300mA / 143~286Vdc | 45= 450mA / 111~222Vdc | 62= 620mA / 80~160Vdc | 80= 800mA / 62~125Vdc |
| 32= 320mA / 143~286Vdc | 48= 480mA / 104~208Vdc | 65= 650mA / 77~154Vdc | 85= 850mA / 59~118Vdc |
| 35= 350mA / 143~286Vdc | 50= 500mA / 100 ~200Vdc | 68= 680mA / 73~147Vdc | 90= 900mA / 55~111Vdc |
| 38= 380mA / 132~263Vdc | 52= 520mA / 100 ~192Vdc | 70= 700mA / 71~143Vdc | 95= 950mA / 52~105Vdc |
| 40= 400mA / 125~250Vdc | 55= 550mA / 100~182Vdc | 72= 720mA / 70~138Vdc | 100=1000mA /50~100Vdc |
| 42= 420mA / 119~238Vdc | | 75= 750mA / 67~134Vdc | |

DM = (Optional or Blank) D = dimming CTL.(1~10Vdc),M = C (constant current)step mode. DM Output wire - Gray(Dim-),Purple(Dim+),Yellow(10Vdc/400mA),10Vdc Output can connect 50 set parallel PSU.

Mechanical Drawing :

