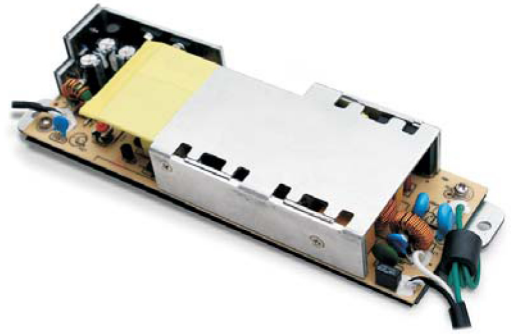


80 ~ 100 Watts Single Output AC-DC LED Power OpenFrame Type

FEATURES

- ◆ Universal Input, Cooling by free air convection
- ◆ Protections: Short circuit / OLP / OVP / OTP
- ◆ Suitable for LED lighting and moving sign applications
- ◆ Built-in active PFC function, PF>0.9 for 75% load or higher
- ◆ UL1310 Class 2 power unit, LPS design
- ◆ Built-in C.C. mode function (optional)
- ◆ 2 years warranty



SPECIFICATIONS

Input Voltage.....90~277VAC; 127~392VDC
 Input Frequency.....47~63Hz
 Input Current.....1.5A max.
 Inrush Current.....40A max.(Cold start)
 Turn On, Rise, Hold up time.....3Sec,100mS,10mS at 110VAC
 Output voltage..... Anywhere output 11 ~ 55VDC
 Load Regulation.....±5% max.
 Dielectric Withstand..... I/P - O/P: 3750VAC, I/P - FG: 1880VAC
 O/P-FG: 500VAC
 Operating Temperature -20°C to +60°C
 (Derating linearly from 100% load at 40°C to 60% load at 60°C)
 Storage Temperature..... -40°C to +85°C
 Protections..... OTP, OCP, OVP, Short Circuit
 Overload Protections.....95% ~ 102% constant current limiting,
 Auto-recovery
 Safety Standard.....Design refer to UL60950-1,
 UI1310 Class 2, EN61347-1, EN61347-2-13 (exceptfor 48V)
 EMC Standard..... EN55015, EN55022 Class B, EN61000-3-2,3,
 EN61000-4-2,3,4,5,6,8,11, EN61547
 Standard output cable..... UL rated,18-14#AWG
 All Specifications are Typical at Nominal Line, full Load and 25°C.
 Unless Otherwise Noted.

| Model Number | Output Voltage (VDC) | Output Current (A) | R&N (Max.) | EFF % | Output Max. Watts |
|--------------|----------------------|--------------------|------------|-------|-------------------|
| FLP100-S12 | 11~13 | 7.27~6.15 | 120mV | 86 | 80W |
| FLP100-S15 | 13~15 | 6.15~5.33 | 150mV | 86 | 80W |
| FLP100-S18 | 15~21 | 6.0~4.28 | 150mV | 86 | 90W |
| FLP100-S24 | 21~29 | 4.57~3.31 | 150mV | 87 | 96W |
| FLP100-S30 | 29~33 | 3.31~2.9 | 150mV | 87 | 96W |
| FLP100-S36 | 33~37 | 2.9~2.59 | 150mV | 87 | 96W |
| FLP100-S42 | 37~45 | 2.59~2.13 | 150mV | 87 | 96W |
| FLP100-S48 | 45~55 | 2.13~1.74 | 150mV | 87 | 96W |

MECHANICAL DRAWING (mm)

