

FLA045/060

S E R I E S

LED Power

45 ~ 72 Watts Single Output with PFC Function - Metallic Case Enclosed Type

FEATURES

- ♦ Universal Input, Cooling by free air convection
- ♦ Protections: Short circuit, OLP, OVP, OTP
- ♦ IP00 or IP67 Design for indoor or outdoor use
- ♦ Suitable for LED lighting and moving sign applications
- ♦ Built-in active PFC function, PF>0.9 for 75% load or higher
- ♦ Suitable for dry, damp, wet location and outdoor applications
- ♦ **UL8750 (UL1310 Class 2) design for FLA060 only**
- ♦ **Built-in C.C. mode function (optional)**
- ♦ 2 years warranty



TUV / UL / CUL / CE Pending

SPECIFICATIONS

Input Voltage.....90~277VAC; 127~392VDC
 Input Frequency.....47~63Hz
 Input Current.....1.2A 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 50°C to 75%load at 60°C (for IP67)
 Derating linearly from 100% load at 40°C to 50%load at 60°C (for IP00)
 Storage Temperature -40°C to +85°C
 Protections OTP, OCP, OVP, Short Circuit
 Overload Protection 110%~130% constant current limiting,
 auto-recovery
 Safety Standard.....TUV EN61347-1, EN61347-2-13
UL8750 (UL1310 Class 2) for FLA060 only
 EMC Standard..... EN55015, EN55022 ClassB, EN61000-3-2,3,
 EN61000-4-2, 3, 4, 5, 6, 8, 11, EN61547
 Standard output cable UL rated, 18-16#AWG

Model Number	Output Voltage (VDC)	Output Current (A)	R&N Max. (mV)	EFF %	Output Max. Watts
FLA045-S12-ALx	12~15	3.7~3.0	150	80	45W
FLA045-S18-ALx	15~21	3.0~2.1	200	80	45W
FLA045-S24-ALx	21~29	2.1~1.5	250	81	45W
FLA045-S36-ALx	29~40	1.5~1.1	250	82	45W
FLA045-S48-ALx	40~55	1.1~0.8	250	82	45W
FLA060-S12-ALx	12~15	5.0~4.0	150	80	60W
FLA060-S18-ALx	15~21	4.0~2.8	200	80	60W
FLA060-S24-ALx	21~29	3.4~2.4	250	82	72W
FLA060-S36-ALx	29~40	2.4~1.8	250	85	72W
FLA060-S48-ALx	40~55	1.8~1.3	250	85	72W

All Specifications are Typical at Nominal Line, full Load and 25°C. Unless Otherwise Noted.

Note: x=0 or 7, for IP00 or IP67.

MECHANICAL DRAWING (Unit: mm)

