

FLA042

S E R I E S

LED Power

36 ~ 42 Watts Single Output with PFC Function - Metallic Case Enclosed Type

FEATURES

- Universal Input, Cooling by free air convection
- IP00 or IP67 design for outdoor installations
- Suitable for LED lighting and moving sign applications
- Suitable for dry, damp, wet location and outdoor applications
- Built-in active PFC function, PF>0.85 for 75% load or higher
- Limited power source (LPS) design
- **Built-in C.C. mode function**
- 2 years warranty



SPECIFICATIONS

Input Voltage.....90~264VAC; 127~370VDC
 Input Frequency.....47~63Hz
 Input Current.....0.7A max.
 Inrush Current.....50A max.(Cold start)
 Turn On, Rise, Hold Up Time.....3Sec,100ms,10ms at 115VAC
 Output voltage..... Anywhere output 10~48VDC
 Load Regulation.....±5% max.
 Dielectric Withstand.....I/P - O/P: 3750VAC
 Operating Temperature..... -20°C to +50°C
 (Derating linearly from 100% load at 40°C to 75% load at 50 °C)
 Storage Temperature..... -40°C to +85°C
 Protections.....OCP, OVP, Short Circuit
 Overload Protections.....Constant Current limiting,
 Auto-recovery
 Safety Standard.....Design refer to UL8750,
 TUV EN61347-1, EN61347-2-13 (except for 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,18-16#AWG

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

TUV / UL / CUL / CE Pending

Model Number	Output Voltage (VDC)	Max. Output Current (A)	Workable Voltage Range	Load Regulation	Max. Output Watts	R & N (Vp-p)
FLA042-S120-Z	12	3	-35%	±10%	36W	2.5 V
FLA042-S150-Z	15	2.4	-35%	±10%	36W	2.5 V
FLA042-S180-Z	18	2	-35%	±10%	36W	2.5 V
FLA042-S240-Z	24	1.75	-35%	±10%	42W	3.0 V
FLA042-S300-Z	30	1.4	-40%	±10%	42W	3.5 V
FLA042-S360-Z	36	1.17	-40%	±10%	42W	3.5 V
FLA042-S420-Z	42	1	-40%	±10%	42W	4.0 V

Note: z=AL0 for IP00 ; z=AL7 for IP67.

MECHANICAL DRAWING (mm)

