



- Features:
- Universal AC input 108~300 Vac.
 - Suitable for LED lighting applications.
 - Built-in ACTIVE PFC Function.
 - Protections: OCP / SCP / OTP.
 - Cooling by free air convection.



Specification

Model		BLL120FMA-042
OUTPUT	DC Voltage Range	30V ~ 42V
	Rated Current	2700mA ± 5%
	Rated Power	113.4W
	Ripple & Noise	2Vmax
	Efficiency	88% Typ. (Rated Power)
	Start up time	Typ. 1000ms @ 115Vac / 60Hz (For Lighting)
INPUT	Voltage Range	108 ~ 300Vac
	Normal Voltage	120 ~ 277Vac
	Frequency Range	47 Hz ~ 63 Hz
	AC Current	1.4A Max. @ 115Vac / 60Hz, Rated Power 0.7A Max. @ 230Vac / 50Hz, Rated Power
	Power Factor	0.98 Min. @ 115Vac / 60Hz, Rated Power 0.95 Min. @ 230Vac / 50Hz, Rated Power > 0.9 @ 220Vac / 50Hz 70% Rated power
	Inrush Current	100A Max. @ 230Vac / 50Hz, Rated Power,
	Leakage Current	< 0.5mA @ 230Vac / 50Hz
PROTECTION	Short Circuit	Hiccup mode & recovers after fault condition disappeared.
	Over Temperature	Shut down output voltage, recovers after fault condition disappeared.
	Over Current	Constant current limit and recovers after fault condition is removed.
	No load operation	No part damaged on power supply.
ENVIRONMENT	Operation Temperature	-40°C ambient to +90°C case temperature. (Tcase)
	Operation Humidity	10% ~ 95% RH non-condensing.
	Storage Temperature	-40°C to +80°C
	Storage Humidity	5% ~ 95% RH

	Vibration	10~500 Hz, 2G 10 min./1 cycle, period for 60 min. each along X, Y, Z axes.
SAFETY & EMC	Safety Standards	UL8750, UL60950
	Withstand Voltage	I/P-O/P : 3750Vac I/P-FG : 1880Vac O/P-FG : 500Vac
	Isolation Resistance	I/P - O/P, I/P - FG, O/P - FG: >100M ohms / 500Vdc at 25°C
	EMI Conduction & Radiation	FCC Part 15 : Class B
OTHERS	Dimension(L*W*H)	193.8 x 65 x36.5 mm
	Weight	0.9 KG

■ Input & Output Wires:

Input / Output Wires	Input	Output
Type	UL 1316 (Solid) 18AWG PVC (Nylon)	UL 1316 (Solid) 18AWG PVC (Nylon)
Wire color	BLACK (L) / WHITE (N) / GREEN (FG)	RED (V+) / YELLOW (V-)

■ Mechanical Specification

