



■ Features:

- Universal AC input 108~305 Vac.
- Suitable for LED lighting applications.
- Built-in ACTIVE PFC Function.
- Protections: OVP / SCP / OTP / OCP.
- Cooling by free air convection.



## Specification

Model		BLL075FMA-042-1600C	BLL075FMA-042-1800C
OUTPUT	DC Voltage Range	32V ~ 42V	
	Rated Current	1600mA ± 5%	1800mA ± 5%
	Rated Power	67.2W	75.6W
	Ripple & Noise	4.2Vmax	
	Efficiency	88% Typ. @ 230Vac / 60Hz (Rated Power)	
	Start up time	Typ. 1000ms @120Vac / 60Hz(For Lighting)	
INPUT	Voltage Range	108 ~ 305Vac	
	Normal Voltage	120 ~ 277Vac	
	Frequency Range	47 Hz ~ 63 Hz	
	AC Current	1.0A Max. @ 120Vac / 60Hz, Rated Power	
	Power Factor	0.90 Min. @ 277Vac / 60Hz (For Lighting)	
	Inrush Current	30A Max @ 277Vac / 60Hz (For Lighting)	
	Leakage Current	< 0.5mA @ 230Vac / 50Hz	
	Input THD	< 20% Athd @ 277Vac / 60Hz (For Lighting)	
PROTECTION	Over Voltage	Constant Voltage limit	
	Short Circuit	Hiccup mode & recovers after fault condition disappeared.	
	Over Temperature	Hiccup or 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% ~ 90% RH non-condensing.	
	Storage Temperature	-40 ~ +90°C	
	Storage Humidity	5% ~ 90% RH	

	<b>Vibration</b>	10~500 Hz, 2G 10 min./1 cycle, period for 60 min. each along X, Y, Z axes.
<b>SAFETY &amp; EMC</b>	<b>Safety Standards</b>	UL8750, UL60950
	<b>Withstand Voltage</b>	I/P-O/P : 4242Vdc I/P-FG : 2121Vdc O/P-FG : 500Vac
	<b>Isolation Resistance</b>	I/P - O/P, I/P - FG, O/P - FG : > 100M ohms / 500Vdc at 25 °C
	<b>EMI Conduction &amp; Radiation</b>	FCC Part 15 : Class B
<b>OTHERS</b>	<b>Dimension(L*W*H)</b>	110 x 90.5 x 43.2 mm
	<b>Weight</b>	0.5KG/0.65KG

### ■ Input & Output Wires:

Port Name	Specifications Describe	Length (mm)
GROUND	GREEN, UL1316 (Solid) 18AWG PVC (NYLON). Ring Terminal	420±15
NEUTRAL	WHITE, UL1316 (Solid) 18AWG PVC (NYLON)	420±15
LINE	BLACK, UL1316 (Solid) 18AWG PVC (NYLON)	420±15
POSITIVE	RED, UL1316 (Solid) 18AWG PVC (NYLON)	200±15
NEGATIVE	YELLOW, UL1316 (Solid) 18AWG PVC (NYLON)	200±15

### ■ Mechanical Specification

