



■ Features:

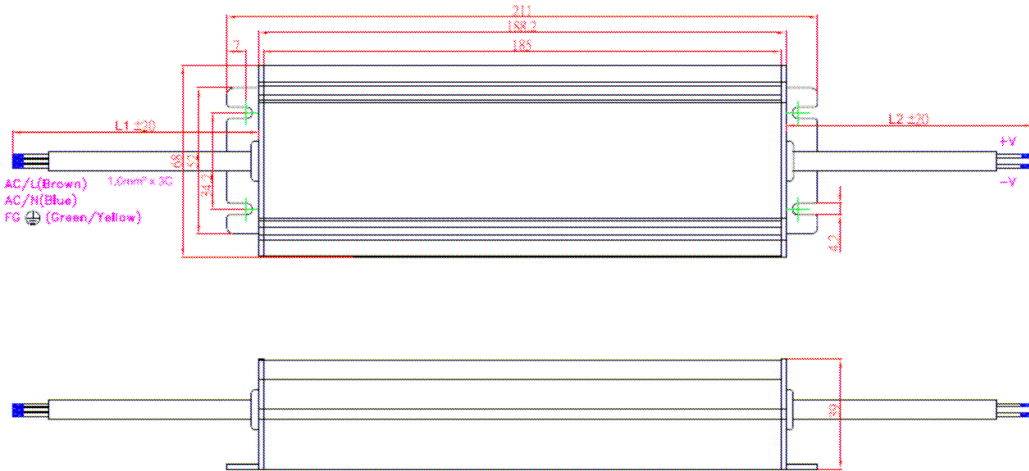
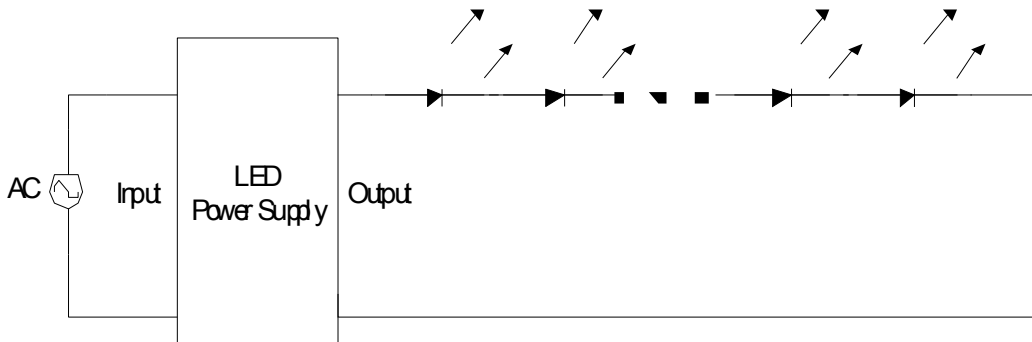
- Universal AC input 90~305 Vac.
- Constant Voltage / Constant Current Operation.
- Suitable for LED lighting applications.
- Built-in ACTIVE PFC Function.
- Protections: OVP / SCP / OTP / OCP.
- IP67 Level design for indoor or outdoor installations.
- Cooling by free air convection.

SPECIFICATION



MODEL		BLL0100F1-30-C	BLL0100F1-36-C	BLL0100F1-48-C	BLL0100F1-54-C	
OUTPUT	DC Voltage Range Note.2	21-30V	26-36V	33-48V	38-54V	
	Rated Current	3.5A	2.8A	2.1A	1.75A	
	Current Tolerance	±5%	±5%	±5%	±5%	
	Rated Power	105W	100.8W	100.8W	94.5W	
	Ripple&Noise(Max.) Note.3	1V	1V	1V	1V	
	Efficiency at 230Vac(Typ.)Note.4	90%	90%	90%	90%	
	Maximum output voltage Note.5	34V	40V	52V	58V	
	Set up time (Max.)	1000ms/ 230Vac and 2500ms/115Vac at rated power.				
INPUT	Voltage Range	90 ~ 305Vac				
	Norminal Voltage	100 ~ 277Vac				
	Frequency Range	47 Hz ~ 63 Hz				
	AC Current (Max.)	1.2A at 115Vac / 0.6A at 230Vac				
	Power Factor	>0.98 at 115Vac / ≥0.95 at 230Vac at full load.P.F≥0.9 at 75% load at 230Vac				
	Inrush Current (Max.)	75A at 230Vac (COLD START)				
	Leakage Current	<0.75mA at 230Vac/50Hz				
PROTECTION	Over Voltage	No part damaged on power supply.				
	Short Circuit	Type: Shut down output voltage & recovers after fault condition removed.				
	Over Temperature	Type: Shut down output voltage & recovers after fault condition removed.				
ENVIRONMENT	Operation Temp.	-40 ~ 60℃ at Full Load.				
	Operation Humidity	10% ~ 95% RH non-condensing.				
	Storage Temp.	-40 ~ +80℃				
	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,CAN/CSA-C22.2 No.60950-1(except for 20V,54V),IEC/EN 61347-1,IEC/EN 61347-2-1,IP67, GB19510.14, GB19510.1(except for 12V) approved				
	Withstand Voltage	I/P-O/P: 3.75KVAC I/P-FG:1.88KVAC O/P-FG:0.5KVAC				
	Isolation Resistance	I/P - O/P, I/P - FG, O/P - FG: >100M ohms / 500VDC at 25 ℃				
	EMI Conduction & Radiation	Compliance to EN55015,FCC part 15, GB17743(except for 12V)				
	Harmonic Current	Compliance to EN61000-3-2 Class C ,EN61000-3-3				
	EMS Immunity	Compliance to EN61000-4-2,3,4,5,6,8,11 , EN61547, meet light industry level(surge 4KV), criteria B, GB17625.1(except for 12V)				
OTHERS	MTBF	300K hours min. MIL-HDBK-217F(25℃)				
	Dimension(L*W*H)	211 * 68 * 39 mm				
	Packing(L*W*H)/Carton	TBD				
	Weight	1.5Kg				
NOTE	<p>1. All specifications not specially mentioned are measured at 230Vac and 25 ℃ ambient temperature.</p> <p>2. The range is for constant current application.</p> <p>3. Ripple & Noise are measured at 20MHz bandwidth by using a 12" twisted pair-wire terminated with 0.1uf & 47uf parallel capacitor.</p> <p>4. Efficiency can be measured Max. Efficiency after 10 mins burn-in.</p> <p>5. Only for constant voltage operation.</p>					

MODEL		BLL0150F1-30-C	BLL0150F1-36-C	BLL0150F1-48-C	BLL0150F1-54-C
OUTPUT	DC Voltage Range Note.2	21-30V	26-36V	33-48V	38-54V
	Rated Current	5.25A	4.2A	3.15A	2.8A
	Current Tolerance	±5%	±5%	±5%	±5%
	Rated Power	157.5W	151.2W	151.2W	151.2W
	Ripple&Noise(Max.) Note.3	1V	1V	1V	1V
	Efficiency at 230Vac(Typ.)Note.4	92%	92.5%	93%	93%
	Maximum output voltage Note.5	34V	40V	52V	58V
	Set up time (Max.)	1000ms/ 230Vac and 2500ms/115Vac at rated power.			
INPUT	Voltage Range	90 ~ 305Vac			
	Norminal Voltage	100 ~ 277Vac			
	Frequency Range	47 Hz ~ 63 Hz			
	AC Current (Max.)	1.2A at 115Vac / 0.6A at 230Vac			
	Power Factor	>0.98 at 115Vac / ≥0.95 at 230Vac at full load.P.F≥0.9 at 75% load at 230Vac			
	Inrush Current (Max.)	75A at 230Vac (COLD START)			
	Leakage Current	<0.75mA at 230Vac/50Hz			
PROTECTION	Over Voltage	No part damaged on power supply.			
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	Operation Humidity	10% ~ 95% RH non-condensing.			
	Storage Temp.	-40 ~ +80℃			
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■ Mechanical Specification**■ Direct Driving****■ Derating Curve**