



■ 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.
- IP67 Level design for indoor or outdoor installations.
- High Voltage output.
- Cooling by free air convection.



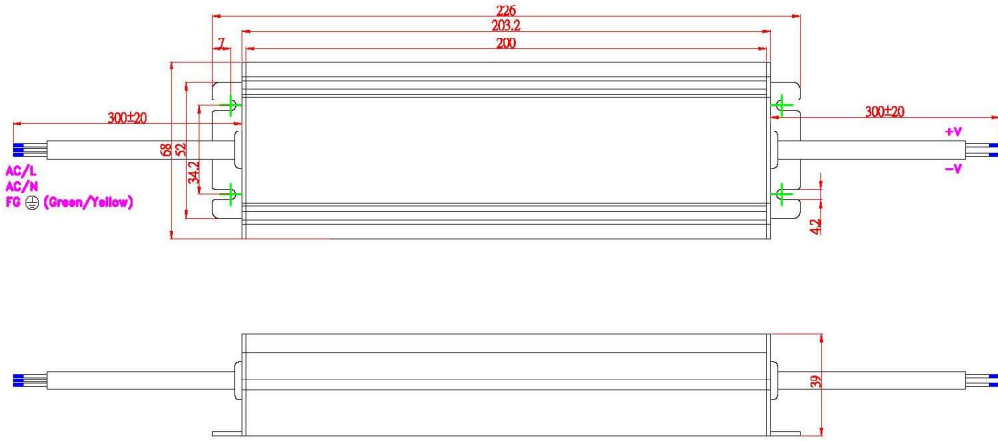
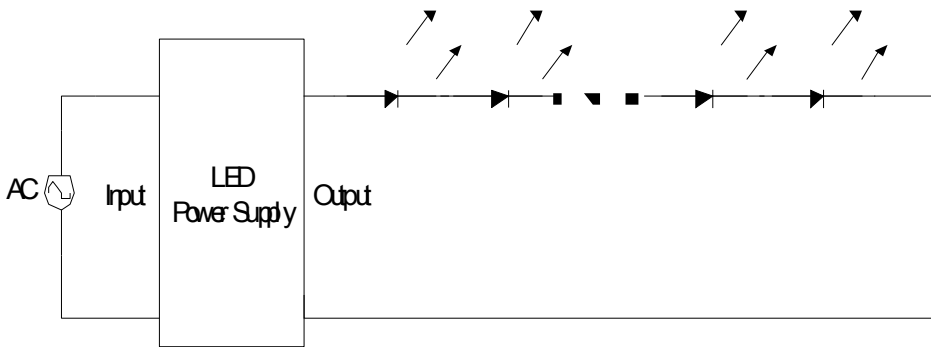
IP67 FCC CE CB



SPECIFICATION

MODEL	BLL0120F2-343	BLL0120F2-227	BLL0120F2-172	BLL0120F2-115	BLL0120F2-086	
OUTPUT	DC Voltage Range Note.2	205-343V	136-227V	60-172V	60-115V	30-86V
	Rated Current	350mA	530mA	700mA	1050mA	1400mA
	Current Tolerance	+5%, -5%	+5%, -5%	+5%, -5%	+5%, -5%	+5%, -5%
	Rated Power	120W	120.3W	120.4W	120.75W	120.4W
	Ripple&Noise(Max.) Note.3	4.2V	2.1V	2.1V	2.1V	2.1V
	Efficiency at 230Vac(Max.)Note.4	92%	92%	92%	92%	92%
	Voltage Tolerance	±10%	±10%	±10%	±10%	±10%
	Set up time (Max.)	2000ms/ 230Vac and 3000ms/115Vac at rated power.				
INPUT	Voltage Range	90 ~ 305Vac				
	Norminal Voltage	100 ~ 277Vac				
	Frequency Range	47 Hz ~ 63 Hz				
	AC Current (Max.)	2A at 115Vac / 1A 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. (Refer to output load derating curve)				
	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 172V,115V,86V),IEC/EN 61347-1,IEC/EN 61347-2-13,IP67(except for 172V,115V,86V), GB19510.14, GB19510.1 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((except for 172V,115V,86V)), GB17743				
	Harmonic Current	Compliance to EN61000-3-2 Class C ,EN61000-3-3(except for 172V,115V,86V)				
OTHERS	EMS Immunity	Compliance to EN61000-4-2,3,4,5,6,8,11 , EN61547(except for 172V,115V,86V), meet light industry level(surge 4KV), criteria B, GB17625.1				
	MTBF	300K hours min. MIL-HDBK-217F(25℃)				
	Dimension(L*W*H)	226 * 68 * 39 mm				
	Packing(L*W*H)/Carton	TBD				
NOTE	Weight	1.5Kg				
		1. All specifications not specially mentioned are measured at 230Vac and 25 ℃ ambient temperature. 2. The range is for constant current application. 3. Ripple & Noise are measured at 20MHz bandwidth by using a 12" twisted pair-wire terminated with 0.1uf & 47uf parallel capacitor. 4. Efficiency can be measured Max. Efficiency after 10 mins burn-in.				

MODEL		BLL0150F2-428	BLL0150F2-284	BLL0150F2-210	BLL0150F2-143	BLL0150F2-113	BLL0150F2-107	BLL0150F2-099	
OUTPUT	DC Voltage Range Note.2	120-428V	115-284V	120-210V	60-143V	50-113V	50-107V	80-99V	
	Rated Current	350mA	530mA	700mA	1050mA	1300mA	1400mA	1500mA	
	Current Tolerance	+5%, -5%	+5%, -5%	+5%, -5%	+5%, -5%	+5%, -5%	+5%, -5%	+5%, -5%	
	Rated Power	149.8W	150.52W	147W	150.15W	146.9W	149.8W	148.5W	
	Ripple&Noise(Max.) Note.3	1V	1V	1V	1V	1V	1V	1V	
	Efficiency at 230Vac(Max.)Note.4	93%	93%	93%	92.5%	92.5%	92.5%	92.5%	
	Voltage Tolerance	±10%	±10%	±10%	±10%	±10%	±10%	±10%	
	Set up time (Max.)	2000ms/ 230Vac and 3000ms/115Vac at rated power.							
INPUT	Voltage Range	90 ~ 305Vac							
	Norminal Voltage	100 ~ 277Vac							
	Frequency Range	47 Hz ~ 63 Hz							
	AC Current (Max.)	2A at 115Vac / 1A 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,IEC/EN 61347-1,IEC/EN 61347-2-13(except for 113V,99V),IP67(except for 113V,99V), GB19510.14, GB19510.1(except for 113V,99V) 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 113V,99V)							
	Harmonic Current	Compliance to EN61000-3-2 Class C ,EN61000-3-3(except for 113V,99V)							
OTHERS	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 113V,99V)							
	MTBF	300K hours min. MIL-HDBK-217F(25℃)							
	Dimension(L*W*H)	226 * 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>								

■ Mechanical Specification**■ Direct Driving****■ Derating Curve**