

LD150GL1 Series

150W Constant Current/Voltage
with Optional Dimming



211 * 68 * 39mm (L*W*H)
8.31" * 2.68" * 1.54"

Features:

- * Universal AC input 90~305Vac.
- * Constant Voltage / Constant Current Operation.
- * Built-in active PFC Function
- * Protections: OCP / SCP / OTP
- * IP67 Level design for indoor or outdoor installations
- * Operating Temperature: -40°C to 60°C at full load
- * 3-in-1 Dimming option

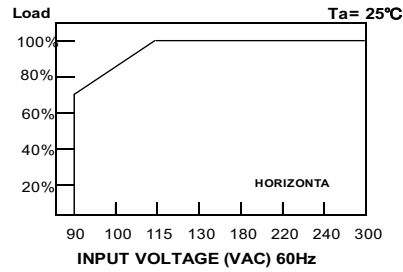
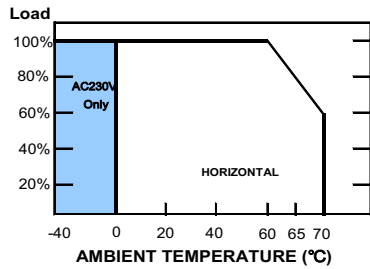
Specifications:



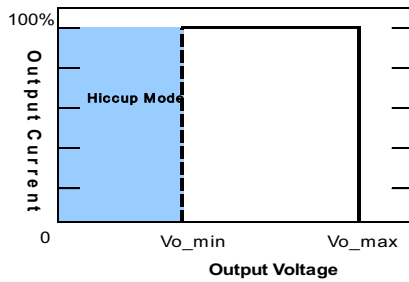
Part No.	LD150GL1-24(D)	LD150GL1-30(D)	LD150GL1-36(D)	LD150GL1-48(D)	
Output	DC Voltage	24V	30V	36V	48V
	Constant Current Region Note.2	17 - 24V	21 - 30V	26 - 36V	33 - 48V
	Rated Current	6.3A	5.25A	4.2A	3.15A
	Current Tolerance	+5%, -5%			
	Rated Power	151.2W	157W	151.2W	151.2W
	Ripple&Noise (Max.) Note.3	300mV	300mV	300mV	300mV
	Efficiency at 230Vac (Typ.)	93%	93%	93%	94%
	Voltage Tolerance Note.4	± 5%	± 5%	± 5%	± 5%
Hold up time (Max.)	2500ms / 115Vac, 1000ms / 230Vac, at full load				
Input	Rated Voltage	100 ~ 277Vac			
	Voltage Range	90 ~ 305Vac / 127 ~ 424Vdc			
	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. ≥ 0.9 at 75% load.			
	Inrush Current (Max.)	65A at 230Vac (cold start)			
	Leakage Current	<0.75mA / 240Vac			
Protections	Over Current	95~105% rated current. type: Auto-recovery after fault condition is removed.			
	Short Circuit	Type: Hiccup mode & recovers after fault condition is removed.			
	Over Temperature	Tcase: 95°C ±10 °C Type: Shutdown mode (re-power on to recover)			
Environment	Operation Temp. Note.5	-40 ~ 60 °C at full load, 70°C at 60% load			
	Operation Humidity	20% ~ 90% RH non-condensing			
	Storage Temp.	-40 ~ +80°C			
	Storage Humidity	10% ~ 90% 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(except 20V,54V), EN61347-1, EN61347-2-13 , IP67 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°C			
	EMI Conduction & Radiation	Compliance to EN55015,FCC part 15			
	Harmonic Current	Compliance to EN61000-3-2 Class C at ≥ 75% Load(except 12V),EN61000-3-3			
	EMS Immunity	Compliance to EN61000-4-2,3,4,5,6,11, Light industry level, criteria A			
Others	MTBF	300K hours min. MIL-HDBK-217F(25°C)			
	Dimension(L*W*H)	211 * 68 * 39 mm			
	Packing(L*W*H)/Carton	548 * 275 * 141			
	Weight	1100g			

1. All specifications not specially mentioned are measured at 230Vac and 25°C ambient temperature.
2. The range is for constant current application.
3. Ripple & Noise are measured at 20MHz bandwidth with 0.1uf & 47uf parallel capacitor.
4. Voltage Tolerance: includes line regulation, load regulation and set-up tolerance.
5. Refer to Derating Curve.

Derating Curve



Constant Voltage / Constant Current Curve



Mechanical Specification

