100W IP67 Constant Voltage LED Lighting Power Supplies





Features

- · Constant voltage mode power supply
- Universal AC input up to 305VAC
- · IP67 level
- · Built in active PFC function
- · Constant current level adjustable through output cable
- Short circuit, over current, over voltage, over temperature protections
- · Compliance to worldwide safety regulations for lighting

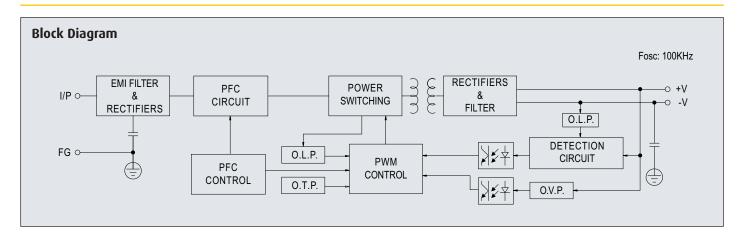


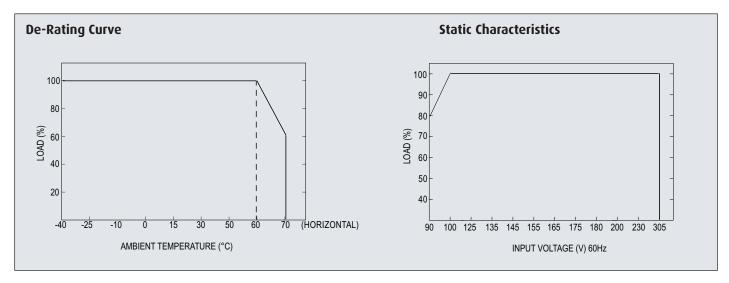
	n							
	Voltage	90V~305VAC or 127V~431VDC.						
	Frequency	47 63 Hz						
	Power Factor	PF>0.98/115VAC, PF>0.95/230VAC, PF>0.93/277VAC at full load (Please refer to Power Factor Characteristic curve)						
INPUT	Current	PF>0.98/115VAC, PF>0.95/230VAC, PF>0.93/277VAC						
	Inrush Current	75A@230VAC, Cold start						
	Leakage Current	<0.75mA@277VAC input						
	MODEL No.	HLG-100H-20	HLG-100H-24	HLG-100H-30	HLG-100H-36	HLG-100H-42	HLG-100H-48	HLG-100H-54
оитрит	Voltage	20V	24V	30V	36V	42V	48V	54V
	Voltage Adj. Range	17 ~ 22V	22 ~ 27V	27 ~ 33V	33 ~ 40V	38 ~ 46V	43 ~ 53V	49 ~ 58V
	Current Adj. Range	3~4.8A	2.5~4A	2~3.2A	1.65~2.65A	1.4~2.28A	1.25~2A	1.1~1.77A
	Rated Current	4.8A	4A	3.2A	2.65A	2.28A	2A	1.77A
	Power	96W	96W	96W	95.4W	95.76W	96W	95.58W
	Ripple & Noise	150mV	150mV	200mV	200mV	200mV	200mV	200mV
	Efficiency (TYP.)	93%	93%	93%	93%	93%	93%	93%
PROTECTION	Over Voltage	23 ~ 27V	28 ~ 34V	34 ~ 38V	41 ~ 46V	47 ~ 53V	54 ~ 60V	59 ~ 65V
		Shutdown and latch off output voltage, re-power on to recover						
	Short Circuit	Constant current limiting, recovers automatically after fault condition is removed						
	Over Temperature	100°C ±10°C (RTH2); shutdown output voltage, recovers automatically after temperature goes down						
	Over Current	95~106% rated output current; constant current limiting, recovers automatically after fault condition is removed						
ELEC. CHAR.	Rise Time	50mS@230Vac & 115VAC, full load						
	Hold Up Time	16ms@230VAC & 115VAC, full load condition						
	Voltage Tolerance	±1.0%						
	Line Regulation	±0.5%						
	Load Regulation	±0.5%						
	Setup Time	2500ms@230VAC & 115VAC						
ENVIRONMENT	Temperature	Operating: -40~+70 $^{\circ}$ C ; De-rating: 60~70 $^{\circ}$ C@60% load ; Storage: -40~ +80 $^{\circ}$ C						
	Humidity	Operating: 20%~95% RH; Storage: 10%~95% RH (non condensing)						
	Temp. Coefficient	±0.03%/°C (0~50°C)						
	Vibration	10~500Hz, 5G 12min./1cycle, period for 72min. each along X, Y, Z axes						
SAFETY	Withstand Voltage	I/P-0/P:3.75KVAC I/P-FG:1.88KVAC 0/P-FG:0.5KVAC						
	Isolation Resistance	I/P-O/P, I/P-FG, O/P-FG:>100M Ohms / 500VDC / 25°C/ 70% RH						
	Safety Standard	Compliance to EN61347-1, EN61347-2-13 independent; TUV EN60950-1						
	EMC Emission	Compliance to EN55015, EN55022 (CISPR22) Class B, EN61000-3-2 Class C (>60% load) ; EN61000-3-3						
	Line Linission	Compliance to EN61000-4-2,3,4,5,6,8,11, EN61547, EN55024, light industry level (surge 4KV), criteria A						
EMC	EMC Immunity	Compliance to EN610	000-4-2,3,4,5,6,8,11	, EN61547, EN5502	4, light industry l	evel (surge 4KV),	criteria A	
EMC OTHERS		· · · · · · · · · · · · · · · · · · ·	000-4-2,3,4,5,6,8,11 MIL-HDBK-217F (25°C		4, light industry l	evel (surge 4KV),	criteria A	

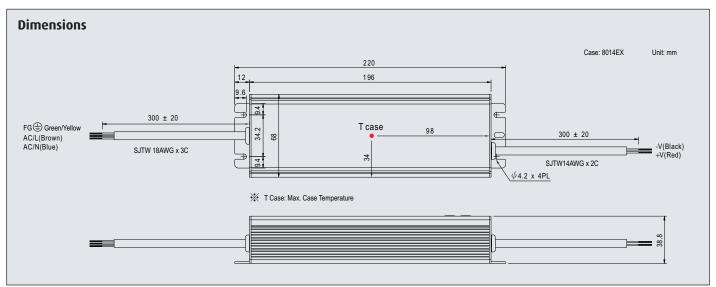
- All parameters NOT specially mentioned are measured at 230NAC input, rated load and 25°C of ambient temperature
 2 Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor
 3 Tolerance: includes set up tolerance, line regulation and load regulation
 4 Deratting may be needed under low input voltages. Please check static characteristics for more details
 5 Voltage Adjustment Range is only applicable for type A
 6 Safety and EMC design refer to EN60598-1, CNS263, GB7000.2, FCC part 18
 7 Length of set up time is measured at cold first start. Turning ON/OFF the power supply may lead to increase of the set up time
 8 The power supply is considered as a component that will be operated in combination with final equipment. Since EMC performance will be affected by the complete installation, the final equipment manufacturers must re-qualify EMC directive on the complete installation again

100W IP67 Constant Voltage LED Lighting Power Supplies



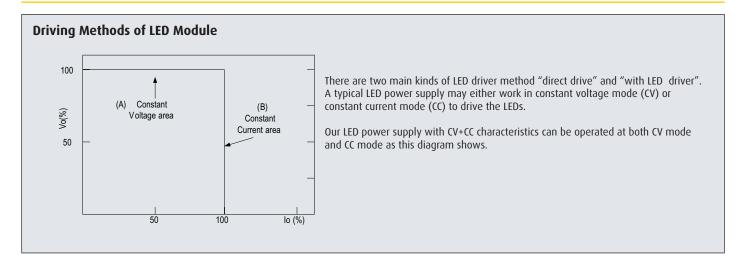


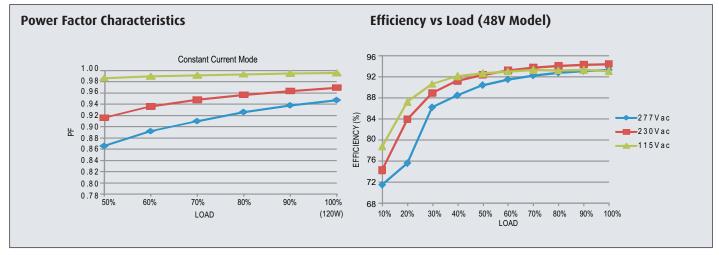


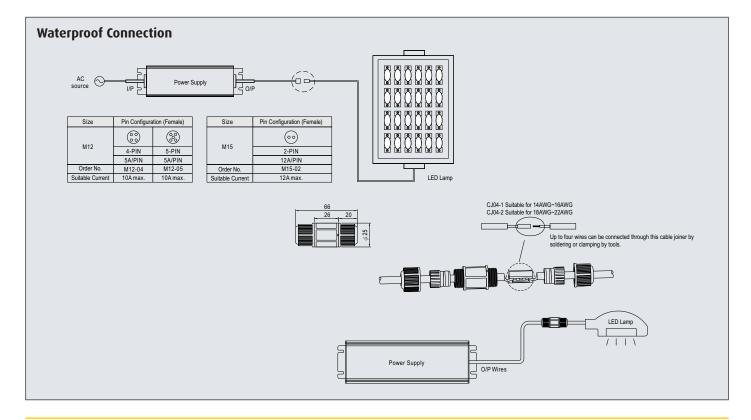


100W IP67 Constant Voltage LED Lighting Power Supplies









100W IP67 Constant Voltage LED Lighting Power Supplies



