



Features :

- Metal housing design with functional grounding
- Built-in active PFC function
- Meet IP67 grade, can meet the demand of indoor and outdoor installation.
- Surge Protection: L-N 4kV
- 3 years warranty

Application :

- LED Street Lighting
- LED Architectural Lighting
- LED Patio Lighting
- LED Floodlight
- Other LED Lighting Fixtures

Model List

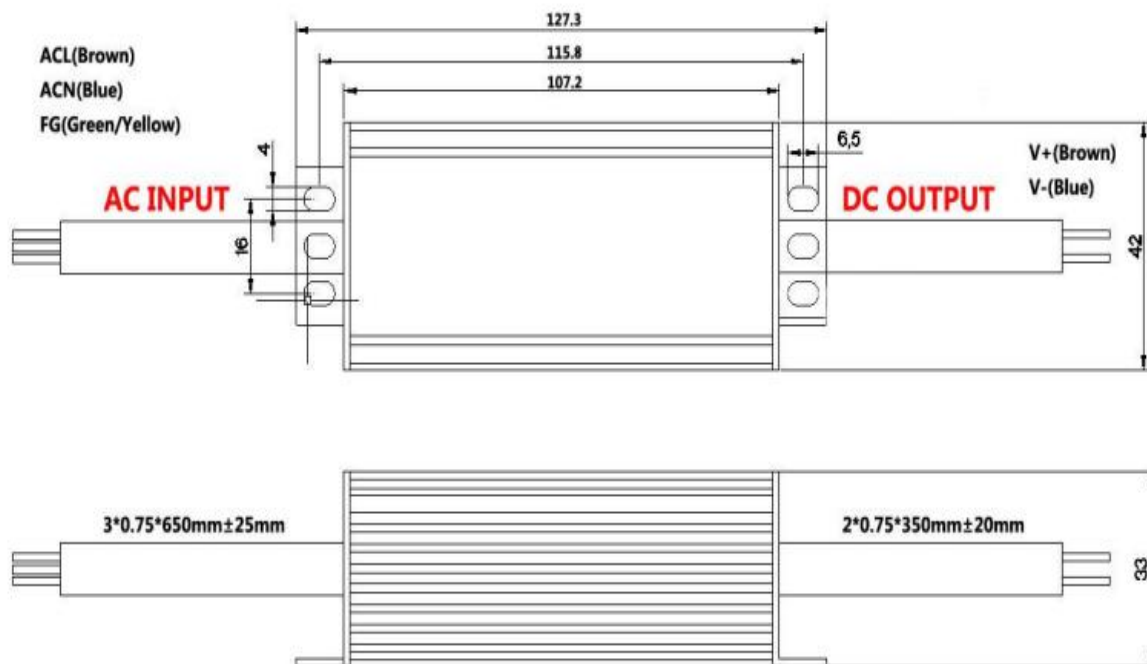
Model	O/P Voltage	O/P Current	Rated Power	O/P Current Tolerance	THD (Typ.)	PF (Typ.)	Efficiency (Typ.)
HT-HLB-50A-36	24-33V	1.5A	50W	±5%	15%	0.97	89%
HT-HLB-50A-48	33-48V	1A	50W	±5%	15%	0.97	89%
Custom-Tailor	/	/	/	/	/	/	/

Product Parameters

Model No.		HLB-50A-36	HLB-50A-48
Input Characteristics	Range of Input Voltage	90V-305Vac	
	Input Frequency	47-63Hz	
	Power factor (Typ.)	PF > 0.97 @115Vac input & full Load	
		PF > 0.95 @230Vac input & full Load	
	THD (Typ.)	THD < 20% @115Vac/230Vac input & full Load	
	Max input current	0.8Amax. @100-277Vac input & 100% full Load	
	Inrush current (Typ.)	60Amax. @230Vac input & full load , 25°C	
Output Characteristics	Efficiency (Typ.) 230Vac	89%	89%
	Voltage Rating	33V	48V
	Current Rating	1.5A	1.0A
	Power Rating	50W	50W
	Output voltage range	24-33V	33-48V
	Current Precision	±5%	
	RIPPLE&NOISE	< 5Vp-p	
	Line Regulation	±3%	
	Load Regulation	±5%	
	Turn -on Delay Time	500ms/230Vac 3000ms/115Vac(full Load)	
Protection function	Short Circuit Protection	Protection: products to burp during the short circuit protection mode, abnormal lift can be automatically restored	

Environment And Reliability Requirements	Operating Temperature	-35°C to +60°C
	Operating Humidity	10%RH to 100%RH, non-condensing
	Storage Temperature and Relative Humidity	-40°C to +80°C/5% to 100%RH
	Vibration	10 to 300Hz,at a constant acceleration of 1.0G(Breadth: 3.5mm),for 1Hour for each of the perpendicular axes X, Y, Z
	IP Grade	IP67
	Burn-in	The power supply shall under go a minimum of 4 Hours burn-in test at 40°C±5°C under full load condition.
	LIFE Time Qualification	30000H (The Life Time shall be at least30000h at 45°C, Full load and nominal input condition)
Safety Standards	Medium compressive	I/P-O/P:1.875KVAC I/P-FG:1.875KVAC O/P-FG:1.875KVAC
	Grounded Resistance	< 0.1Ω,25A,1Minute
	Insulation Resistance	I/P to O/P , add 500 VDC insulation test, minimum 50 m Ω insulation impedance
	Leakage Current	0.75mAmax. at input 230Vac/50Hz
	Lightning level	L-N : 4 kV
Other	Size	132*43*33.5mm (L*W*H)
	Package	60PCS/carton Dimension : 48cm*24cm*19cm N.W:18KG G.W:18.5KG

Mechanical Characteristics (Unit: mm)



NOTE : Ground wire with terminal

Input Wire	UL model: UL #18AWG 3*0.824mm ² , GREEN: PE , BLACK: L , WHITE: N Euro model: VDE 3*0.75mm ² , YELLOW/GREEN: PE , BROWN: L , BLUE: N
Output Wire	UL model: UL #18AWG 2*0.824mm ² ,RED: V+ , BLACK: V- Euro model: VDE 2*0.75mm ² ,BROWN: V+ , BLUE: V-