





Specification Sheet	Product	50W 12V Outdoor Constant Voltage LED Driver		Version: 1.0	Page:1/2
	Model	HQLPV50/123/12/DE1		Date	2018-7-4



■Features:

- Universal AC input:100~277VAC.
- Built-in active PFC function.
- Protections: Short circuit, Over temperature protection.
- cooling by free air convection.
- IP67, input/output ports are connected to the wire.
- Constant voltage output.
- Suitable for LED lighting applications.
- Comply to UL lighting equipment safety regulations.
- Can be applied to dry/wet in the rain, indoor outdoor.
- 3 years warranty.

OUTDOOR CONSTANT VOLTAGE LED DRIVER

 IP67 SELV

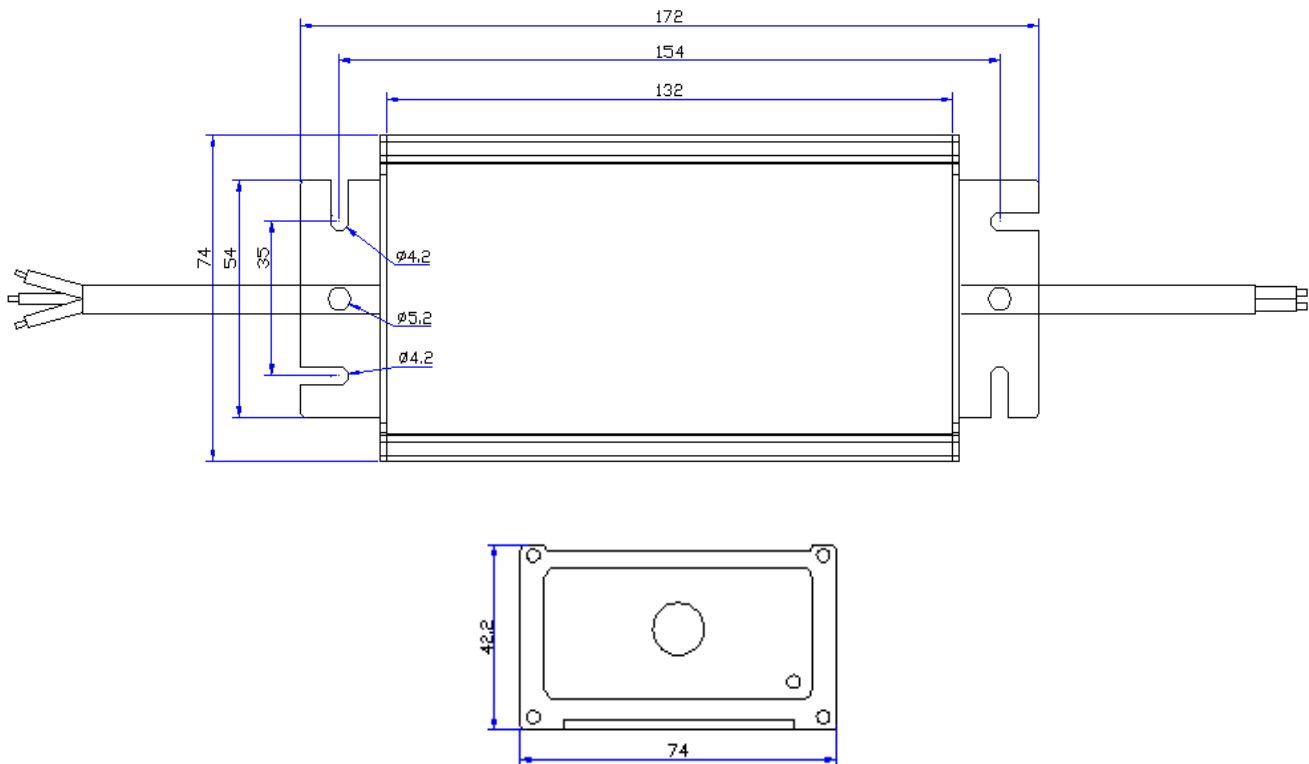
SPECIFICATION				
INPUT	Voltage range	Rated voltage range:100~277VAC , Input voltage range:90~305VAC		
	Frequency range	47~63Hz		
	Power factor	PF≥0.90 at 277VAC (100%full load) PF≥0.95 at 100VAC (100%full load)		
	Efficiency(Typ.)	≥86%	Test condition: Input Voltage 277VAC,100% full load.	
	AC current	≤0.60A/100VAC (100%full load)		
	Start up inrush current(Typ.)	cold start: 50A Max. /277VAC		
	Leakage current	Contact current ≤0.7mA at 277VAC, Protect conductor current ≤2mA at 277VAC		
	THD	<20%		
OUTPUT	Output channel	1 channel		
	Output current and voltage	4.17A Max.		
		12Vdc		
	Tolerance	±5%		
	Output ripple Voltage	<10% (100% full load)		
	Output overshoot / undershoot voltage	≤10%,when power open and shut down		
	Start up time	0~1S,100VAC ; 0~0.5S,277VAC		
	Short circuit protection	Products without damage, when abnormal condition removed , re-power on to recover.		
Over temperature protection	Protection shell maximum temperature 110 ℃, over temperature protection startup, shut down output, can be automatically restored after the temperature is normal			
ENVIRONMENT	Working TEMP.	-40~+50℃ (100%full load)		
	Max. CASE TEMP.	80℃ (100%full load)		
	Working humidity	20~95%RH, non-condensing		
	Storage TEMP.,humidity	-40~+80℃, 10~95%RH		
	Vibration	10~500Hz, 5G 12min/1 cycle, period for 72min.each along X、Y、Z axes		
SAFETY&EMC	Safety standards	UL8750, IEC61347-1, IEC61347-2-13		
	Withstand voltage	I/P-O/P:3.75KVAC 60S, I/P-FG:1.875KVAC, O/P-FG:0.5KVAC		
	Isolation resistance	I/P-O/P,I/P-FG,O/P-FG:>100MΩ at 500VDC/25℃/70%RH		
	EMC emission	ANSI.C63.4:2009 Class B		
	EMC immunity	Surge impulse tes: L-N,6KV; L,N-G,6KV		
LIFE	50,000 hours at Ta			
SIZE	172x74x42.2mm(LxWxH),find below dimension.			
WEIGHT	790g/PCS			
NOTE	1.All parameters NOT specially mentioned are measured at 220VAC input , rated load and 25℃ of ambient temperature . 2.The LED driver 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 . 3.Detail warranty terms please refer to warranty statement.			

FM73045C

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■ SIZE

UNIT: mm TOERLANCE: ±1mm



■ WIRE

Input wire: Rubber wire SJTW 18AWG×3C 105℃ 300V Black/green/white ,  
Line length 200±20mm, decortication 30mm, endothelial 5mm solder;  
Output wire: Rubber wire SJTW 18AWG×2C 105℃ 300V Black/white ,  
Line length 200±20mm, decortication 30mm, endothelial 5mm solder;

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Please refer to the actual products provided by HUAQUAN for specific details.