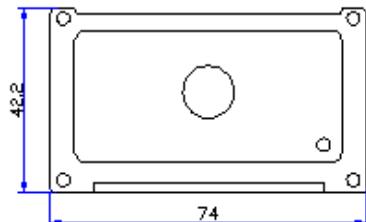
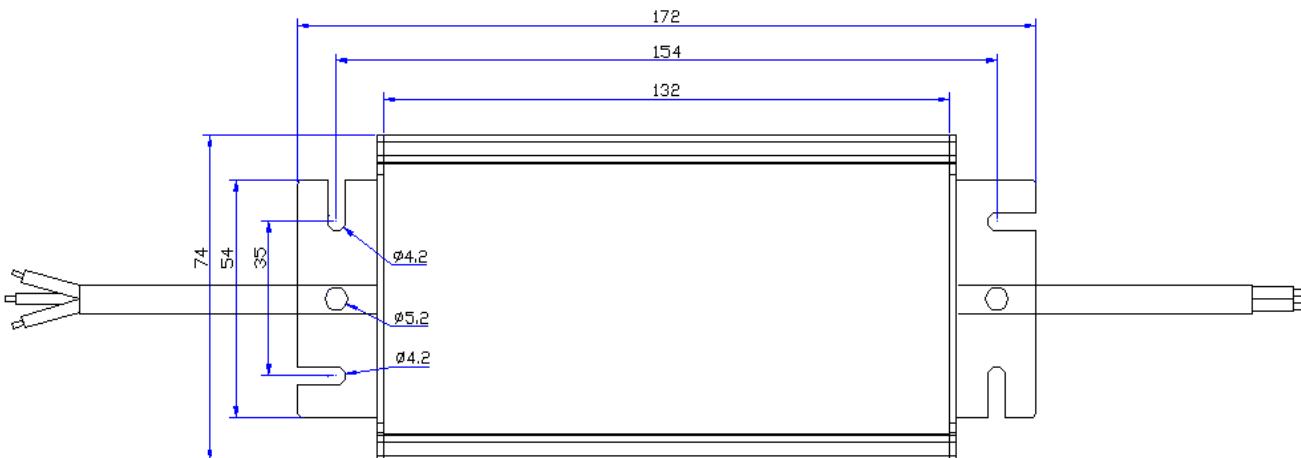


Specification Sheet	Product	50W 12V Outdoor Constant Voltage LED Driver	Version: 1.0	Page:1/2					
	Model	HQLPV50/123/12/DE1	Date	2018-7-4					
		<p>■Features:</p> <ul style="list-style-type: none"> Universal AC input:100~277VAC. Built-in active PFC function. Protections: Short circuit, Over temperature 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.							
ENVIRONMENT	Over temperature protection	Protection shell maximum temperature 110 °C , over temperature protection startup, shut down output, can be automatically restored after the temperature is normal							
	Working TEMP.	-40~+50°C (100%full load)							
	Max. CASE TEMP.	80°C (100%full load)							
	Working humidity	20~95%RH, non-condensing							
	Storage TEMP.,humidity	-40~+80°C , 10~95%RH							
SAFETY&EMC	Vibration	10~500Hz, 5G 12min/1 cycle, period for 72min.each along X、Y、Z axes							
	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°C/70%RH							
	EMC emission	ANSI.C63.4:2009 Class B							
LIFE	Surge impulse tes: L-N,6KV; L,N-G,6KV								
	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°C 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.								

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

■SIZE

UNIT: mm TOERLANCE: ± 1 mm



■WIRE

Input wire: Rubber wire SJTW 18AWGx3C 105°C 300V Black/green/white ,
Line length 200 \pm 20mm, decortication 30mm, endothelial 5mm solder;

Output wire: Rubber wire SJTW 18AWGx2C 105°C 300V Black/white ,
Line length 200 \pm 20mm, decortication 30mm, endothelial 5mm solder;

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