

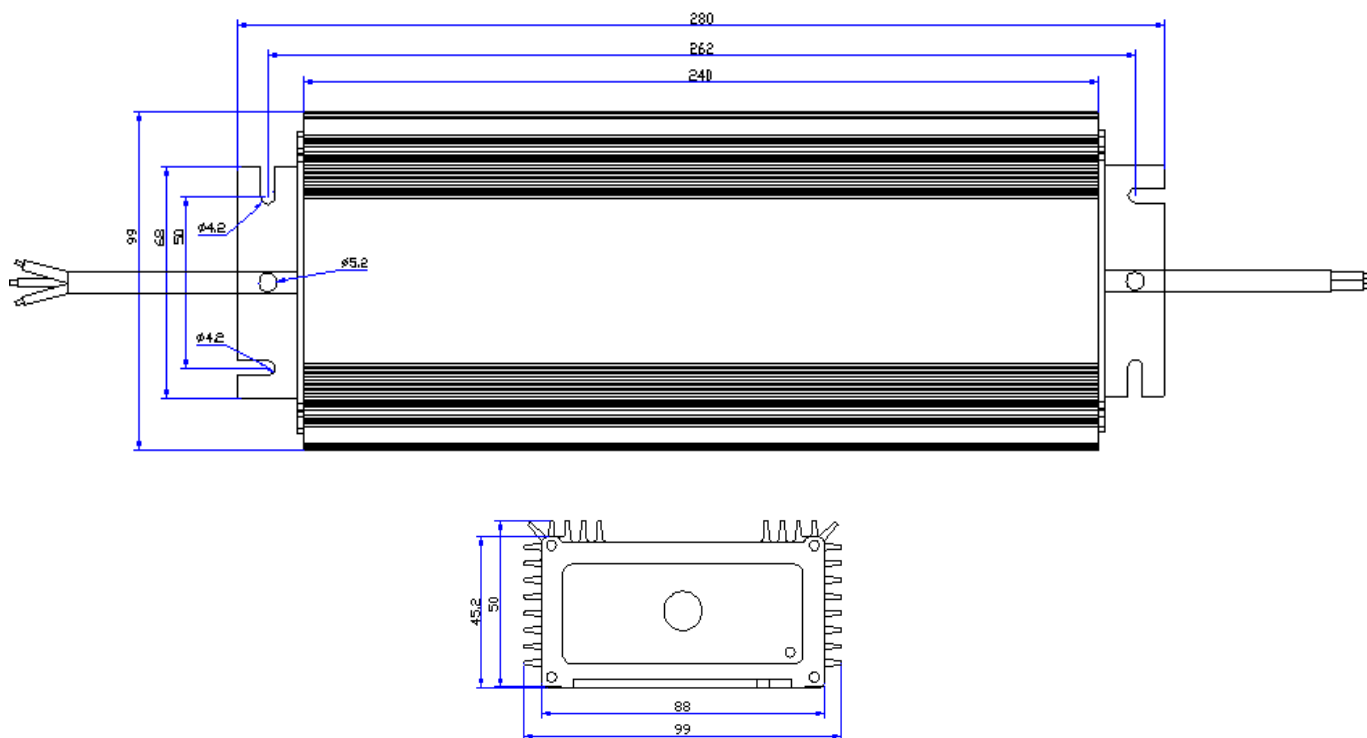
Specification Sheet	Product	200W 24V Outdoor Constant Voltage LED Driver		Version: 1.0	Page:1/2
	Model	HQLPV200/123/24/D7E1		Date	2018-7-4
<div><div></div><div><div>■Features:</div><div><div>·Universal AC input:100~277VAC.</div><div>·Built-in active PFC function.</div><div>·Protections: Short circuit, Over temperature protection.</div><div>·cooling by free air convection.</div><div>·IP67, input/output ports are connected to the wire.</div><div>·Constant voltage output.</div><div>·Suitable for LED lighting applications.</div><div>·Comply to UL lighting equipment safety regulations.</div><div>·Can be applied to dry/wet in the rain, indoor outdoor.</div><div>·3 years warranty.</div></div></div></div> <div><div>OUTDOOR CONSTANT VOLTAGE LED DRIVER</div><div></div></div>					
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.)	≥90%	Test condition: Input Voltage 277VAC,100% full load.		
	AC current	≤2.50A/100VAC (100%full load)			
	Start up inrush current(Typ.)	cold start: 70A 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	8.4A Max.			
		24Vdc			
	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	280×99×50 mm(L×W×H),find below dimension.				
WEIGHT	1960g/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.				

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### ■ SIZE

UNIT: mm TOERLANCE:  $\pm 1$ mm



### ■ WIRE

Input wire: Rubber wire SJTW 18AWG×3C , Line length  $350 \pm 20$ mm, decortication 30mm, endothelial 5mm solder;

Output wire: Rubber wire SJTW 14AWG×2C , Line length  $200 \pm 20$ mm, decortication 30mm, endothelial 5mm solder;

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

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