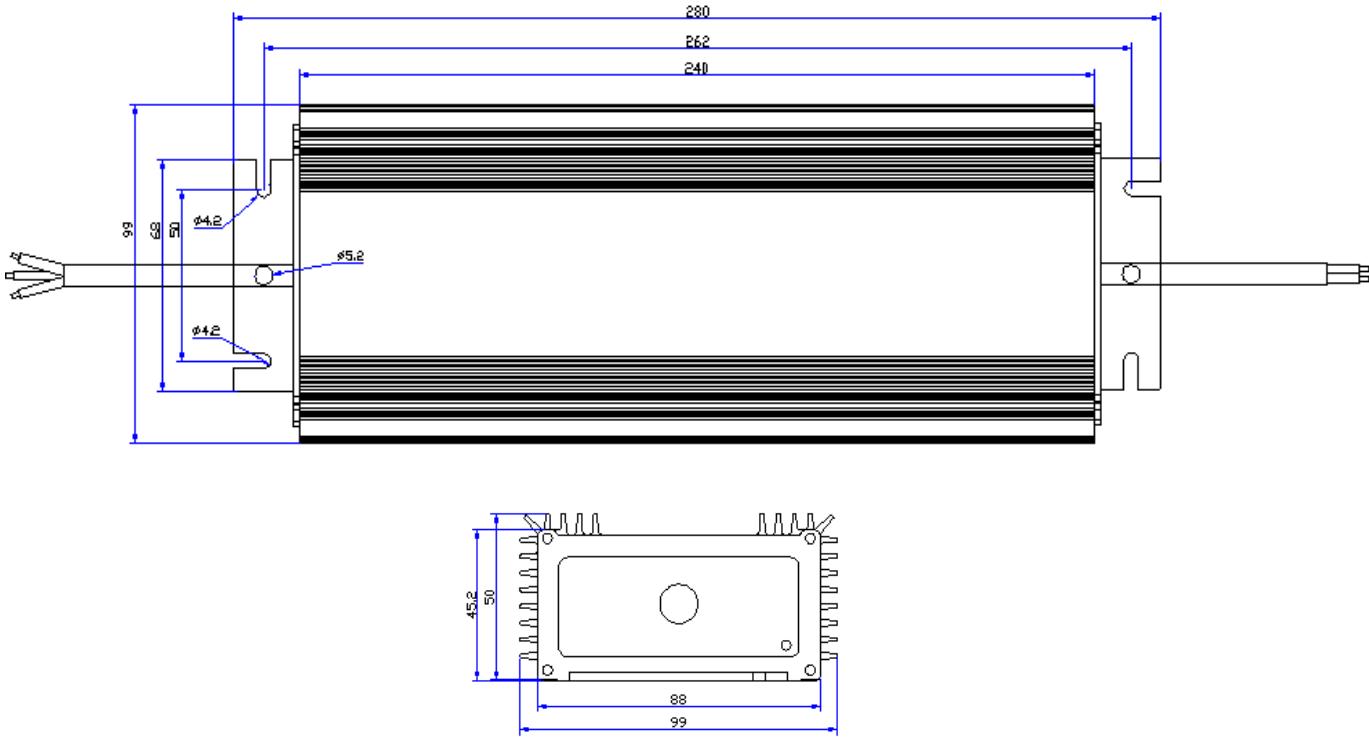


| | | | | | | | | | |
|---|--|--|--|----------|--|--|--|--|--|
| Specification Sheet | Product | 200W 24V Outdoor Constant Voltage LED Driver | Version: 1.0 | Page:1/2 | | | | | |
| | Model | HQLPV200/123/24/D7E1 | Date | 2018-7-4 | | | | | |
|  | | <p>■Features:</p> <ul style="list-style-type: none"> •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.) | ≥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. | | | | | | | |
| 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 | 280x99x50 mm(LxWxH),find below dimension. | | | | | | | | |
| WEIGHT | 1960g/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. | | | | | | | | |

FM73045C

| | | | | |
|---------------------|---------|--|--------------|----------|
| Specification Sheet | Product | 200W 24V Outdoor Constant Voltage LED Driver | Version: 1.0 | Page:2/2 |
| | Model | HQLPV200/123/24/D7E1 | Date | 2018-7-4 |

■SIZE

UNIT: mm TOERLANCE: ± 1 mm

■WIRE

Input wire: Rubber wire SJTW 18AWGx3C , Line length 350 ± 20 mm, decortication 30mm, endothelial 5mm solder;

Output wire: Rubber wire SJTW 14AWGx2C , Line length 200 ± 20 mm, decortication 30mm, endothelial 5mm solder;

The technical data and information in this specification is owned by HUAQUAN , we reserve the right to change without prior notice.

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

FM73045C