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| Specification Sheet | Product | 50W 24V Outdoor Constant Voltage LED Driver | | Version: 1.0 | Page:1/2 |
| | Model | HQLPV50/123/24/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**

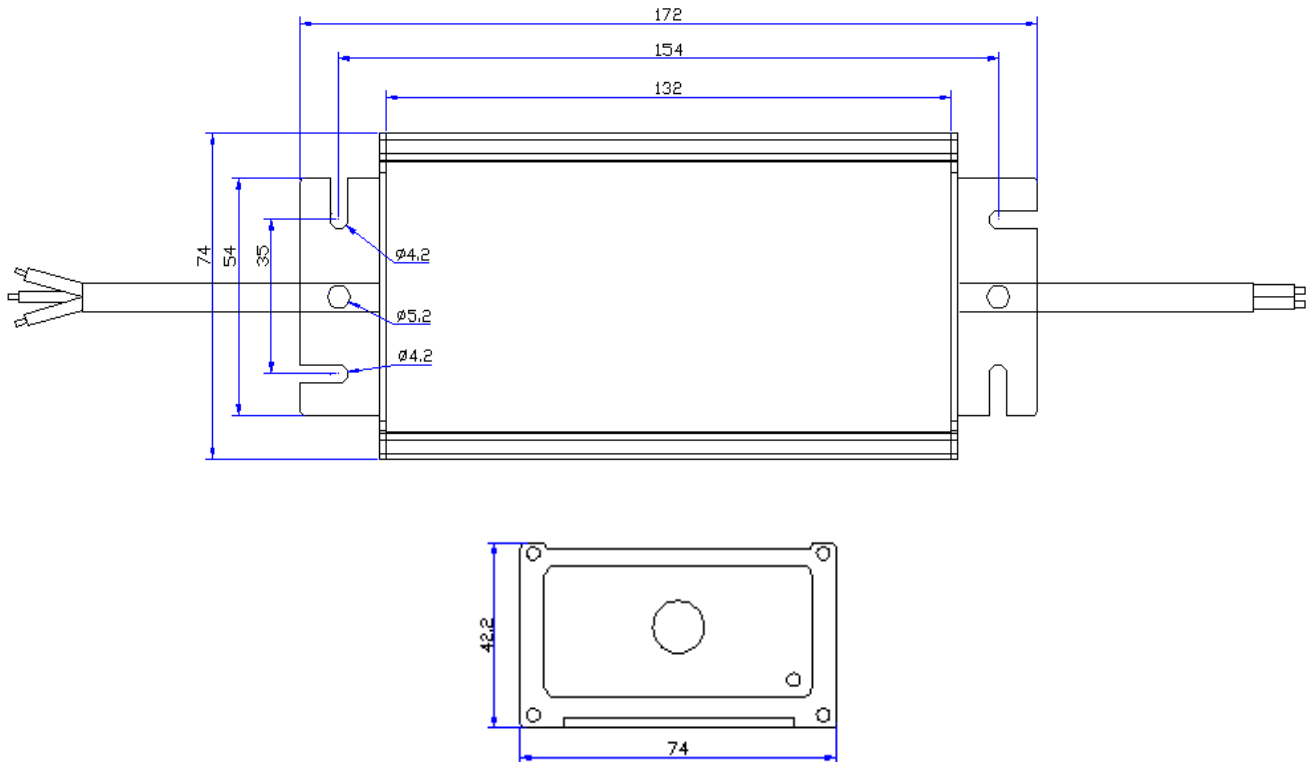
| SPECIFICATION | | | | |
|-----------------------------|---|--|--|--|
| INPUT | Voltage range | Rated voltage range:100~277VAC , Input voltage range:90~305VAC | | |
| | Frequency range | 47~63Hz | | |
| | Power factor | PF≥0.90 at 277VAC (100%full load) PF≥0.95 at 100VAC (100%full load) | | |
| | Efficiency(Typ.) | ≥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 | 2.1A 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 | 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.