



PREMIUM RANGE EMERGENCY KIT FOR LED PANELS

108-600 - CYFELCO EM3H PNL 2.5W 20-55V

PRODUCT DATASHEET

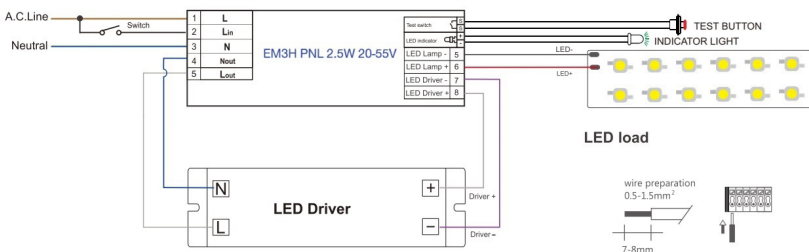
20-55V Emergency Kit suitable for LED Panels

Areas of application

- Use in Dry Environment
- For use on a wide range of LED fittings to convert them from standard to emergency fitting

Product Features

- LiFePO4 battery pack. Easy to replace battery pack
- Deep discharge protection.
- Self-test mode
- Can close self test mode by dial switch
- Class II Protection Design
- 3 Years Warranty



| | Color | LED indication | Status | Comment |
|--|-------------------|---|------------------------|--|
| | Green | Slow flashing green (3 sec on, 1 sec off) | Charging Mode | AC mode |
| | Green | Permanent green | Fully Charged | AC mode |
| | Green | Fast flashing green (0.1 sec on, 0.1 sec off) | Function test underway | |
| | Green | Slow flashing green (1 sec on, 1 sec off) | Duration test underway | |
| | Red | Permanent red | Load failure | Open circuit/ Short circuit Led failure (emergency mode) |
| | Red | Slow flashing red (1 sec on, 1 sec off) | Battery failure | Battery failed the duration test or function test / No battery |
| | Green and red off | Green and red off | DC mode | Battery operation (emergency mode) |

TECHNICAL DATA

Input Parameters

| | |
|---------------------------|-------------|
| Input Voltage | 220-240V AC |
| Line Frequency | 50/60 Hz |
| Power Factor | >0.50 |
| Input Current | <50mA |
| Inrush Current | – |
| Leakage Current | – |
| Total Harmonic Distortion | <20% |
| Efficiency | – |

Protection

| | |
|--------------------------|------|
| Overload Protection | – |
| Overvoltage Protection | – |
| Short Circuit Protection | – |
| Ingress Protection Code | IP20 |
| Protection Class | II |

Logistics

| | |
|------------------------|------------------------|
| Dimensions (H x L x W) | 300x200x43 mm |
| Net Weight per piece | xxx g |
| Packing | 200 pcs per carton box |
| | |
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| | |

Directives

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|------------|--|
| 2014/30/EU | Electromagnetic Compatibility Directive |
| 2014/35/EU | Low Voltage Directive |
| 2011/65/EU | Restriction of Hazardous Substances Directive (RoHS) |
| | |

Standards

| | |
|------------------------------------|--|
| EN 61347-1 | Lamp controlgear - Part 1: General and safety requirements |
| EN 61347-2-7 | Particular requirements for electric source for safety services |
| EN IEC 55015 | Limits and methods of measurement of radio disturbance characteristics of electrical lighting and similar equipment |
| EN 61547 | Equipment for general lighting purposes - EMC immunity requirements |
| EN IEC 61000-3-2:2019+A1:2021 | Electromagnetic compatibility (EMC) - Part 3-2: Limits - Limits for harmonic current emissions (equipment input current ≤16 A per phase) |
| EN 61000-3-3:2013+A1:2019 +A2:2021 | Electromagnetic compatibility (EMC) - Part 3-3: Limits - Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems, for equipment with rated current ≤ 16 A per phase and not subject to conditional connection |
| | |
| | |

Output Parameters

| | |
|--------------------------------|-----------------------|
| DC Voltage | 20-55V DC SELV |
| Rated Current (Max) | 130mA |
| Rated Power (Max) | 2.5W |
| Battery cells voltage/capacity | LiFePO4 3.2V, 10.24Wh |
| Recharge current | 300mA |
| Recharge time | 24hours |
| Discharge time | 180 min |
| Flickering metric (Pst LM) | <1 (Flicker-Free) |

Environmental

| | |
|----------------------------|-------------|
| Max. casing temperature tc | 75 °C |
| Ambient temperature range | 0 to +50 °C |
| Max Case Temperature Tc | – |
| Humidity | – |
| Service Lifetime | – |

Other

| | |
|----------|---------|
| MTBF | – |
| Warranty | 3 Years |
| | |
| | |
| | |