

Emergency LED Driver

Model: FAT-LED-E50W-2 — For 15W–50W LED Fixtures

The FAT-LED-E50W-2 emergency LED driver converts any compatible 15W–50W LED fixture into an emergency light. A built-in, high-temperature-resistant 12.8V 5000mAh LiFePO4 battery keeps the fixture running for 60 to 180 minutes during a power outage, with a fast conversion circuit that switches to battery power in under one second and a high inversion efficiency.

Features

- Suitable for 15W–50W LED lamps; compatible with all LED lamp types
- Wide input voltage range: AC 176–265V
- Short-circuit and no-load protection
- LiFePO4 battery cell with overcharge and over-discharge protection
- High-temperature resistant battery
- Fast conversion circuit: switches to emergency mode in under 1 second, high inversion efficiency
- Includes test button and status indicator (charging / mains / emergency / fault)
- CE certified; WEEE compliant

Specifications

Specification	Value
Product Model	FAT-LED-E50W-2
Mains Voltage	AC 176–265V
Mains Frequency	50 / 60 Hz
Battery	LiFePO4 12.8V 5000mAh (capacity customizable)
Fit for LED Light Power Range	15W–50W
Power Output in Emergency Mode	15W–50W
Ambient Temperature Range	-25°C to 50°C
Battery Charging Time	Up to 20 hours
Protection Class	Class II
Protection Type	IP20
Transfer Time	Under 1 second
Emergency Duration	60–180 minutes

Specification	Value
Power Factor	0.5
Conversion Efficiency	90% or higher
Charging Current	240mA
Emergency Discharging Current	3.8A
Overcharge Voltage Protection	14.1V
Over-Discharge Voltage Protection	10.3V
Shell Material	ABS
Warranty	2 years
Certification	CE, RoHS

Energy Management Company – Superled

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