



20W External Emergency Battery Driver, 25-48V Output, 100-277VAC Input, 90+ Min Runtime

- Delivers 20W output at 25 - 48V DC from a 100 - 277VAC input
- Provides greater than 90 minutes of emergency runtime
- Uses a 3,000mAh lithium-ion battery with 36-hour recharge time
- Rated for 0 to 50°C ambient operating temperature
- Includes LELV protection circuitry
- Backed by a 1-year manufacturer warranty

OVERVIEW

The D-EMS2-20W is a 20W external emergency battery driver designed to maintain illumination during power outages. It connects to compatible LED luminaires and provides a self-contained backup power source for commercial and industrial emergency lighting applications.

The driver accepts 100-277VAC input and delivers a 25-48V DC output at 20W, with a 3,000mAh lithium-ion battery providing greater than 90 minutes of rated runtime. Recharge time is 36 hours, and the unit operates across a 0 to 50°C ambient temperature range. LELV protection is included in the design.

The driver carries a 1-year warranty.

SPECIFICATIONS

OPTICAL

LED Lifetime	50,000 h
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ELECTRICAL

Operating Voltage	120-277 V
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Wattage	20 W
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MECHANICAL

Product Dimensions	22 × 17 × 7 in
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ENVIRONMENTAL

Ambient Operating Temperature	0-50 °C 32-122 °F
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ORDERING

Warranty	1 y
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APPLICATIONS

- Commercial emergency lighting systems
- Egress and exit path illumination
- Industrial facility backup lighting
- Retrofit emergency power for existing LED luminaires

slug	value	source	confidence
led_lifetime_h	50,000 h	db	high
operating_voltage	120–277 V	db	high
wattage	20 W	db	high
product_dimensions	22 × 17 × 7 in	pdf	high
ambient_temp_c	0–50 °C	pdf	high
warranty_years	1 y	db	high

Specifications subject to change without notice.

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