DE Series

Emergency Battery Backup Driver Specifications

Project _____

Date _____ Type _____

Voltage 100–347 VAC | Emergency Battery Backup | UL LISTED 924 | IP44 | 5 yr WARRANTY

Available Models[1]

☐ DEME2-40W-WHZ

Part Number Breakdown

Example: DEME2-40W-WHZ

Series	Enclosure	IP Rating	Version	Output Power	Input	Output	Feature
DE [Diode Drive, Emergency]	**M** [Metal]	**E** [IP44]	**2** [V2]	**40W** [40W]	**W** [Wide, 100-347V]	**H** [High Voltage Emergency]	**Z** [0-10V Dimming]

Overview

The DiodeDrive Emergency Battery Backup LED Driver turns on when line power fails, providing 145 VDC of power via a lithium-ion battery. The internal battery provides emergency lighting for up to 90-minutes and has a 24-hour recharge time. It has a wide input voltage range of 100-347 VAC and supports a fixture up to 350W. It provides constant output power to lights even as the battery voltage diminishes. Automatic self-testing runs the required monthly 30-second and annual 90-minute tests. Faults are displayed on the included test switch/indicator module that mounts in a single-gang wall box. UL 924 Listed certification meets or exceeds specific safety and fire hazard codes required for commercial properties in the United States.

Features

- 90-minute emergency power on 24-hour charge
- Wire directly to LED fixture driver
- Test switch/indicator included for automatic testing
- Powers 0-10V dimmable fixtures from 40W to 350W
- Wide input voltage range of 100-347 VAC

Product Details

- External wires housed in a flexible conduit
- 0-10V dimming connections for fixtures ≥ 40W
- IP44, Suitable for damp locations
- Lithium-ion emergency backup battery
- Multiple Integrated Protections (see specifications)

Certifications and Compliances

- UL Listed - UL 924 (FTBV)
- CEC Title 20 Compliant
- FCC Compliant
- American NFPA 101 Life Safety Code Compliant

UL LISTED | CALIFORNIA Title 20 | FC | NFPA

Applications

- Commercial Downlights
- Emergency Lights
- Linear High Bays
- Linear Strip Fixtures
- Panel Lights
- Troffer Fixtures

Warranty

- 5-year warranty

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[1]Contact customer service if interested in other options.

Rev V1.1 Date: 03/04/2026
Specifications are subject to change without notice

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SPECIFICATIONS	
Model	**DEME2-40W-WHZ**
OUTPUT	
Connected Wattage (max)	350W
Output Power	40W
Output Voltage	145 VDC
Dimming Control	0-10V[1]
Discharge Time	≥90 minutes
Battery	Li-ion (14.4V | 6600mAh)
INPUT	
Input Voltage	100–347 VAC
Input Frequency	50/60Hz
Input Power (max)	10W
Input Current (max)	150mA
Recharge Time	24 hours
MECHANICAL	
Input Connection	Pigtail
Housing Material	Powder Coated Steel
Cooling Type	Free air convection
ENVIRONMENTAL	
IP Rating	IP44
Environmental Rating	Suitable for Damp Locations
Ambient Operating Temperature	0 to 50°C (32 to 122°F)

[1]With compatible dimming driver.

Integrated Protections

- Battery overcharge
- Battery over-discharge
- Output overload
- Short-circuit
- Open load

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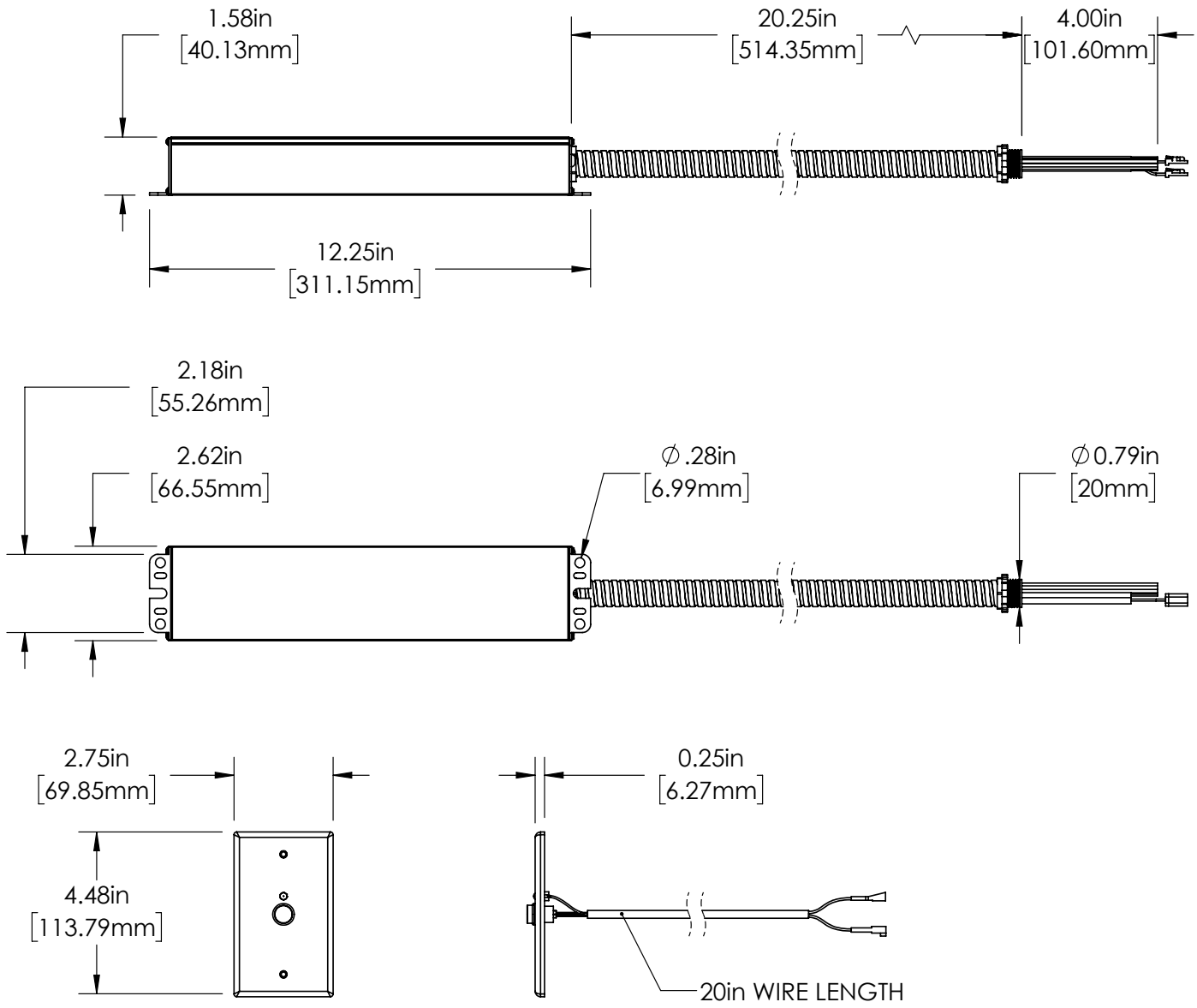
Dimensional Drawings



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