DB-9W-CC-60Min

Emergency LED Driver with LiFePO4 Backup • Emergency Lighting Electronics

An architectural emergency lighting inverter engineered to drive standard LED panels and downlights during mains power collapse. Native compliance with DALI Part 202 guarantees automated weekly function testing and annual duration certification.

KEY ARCHITECTURAL FEATURES

- **Integrated intelligent** LiFePO4 battery pack with 5-year operating design life
- **Automated DALI-2** Part 202 scheduled function and duration self-testing
- **Universal output** voltage auto-sensing (10V to 55V DC forward voltage)
- **High efficiency** buck-boost topology minimizing standby battery drain

VERIFIED TECHNICAL SPECIFICATIONS

Part Number / Order Code	DB-9W-CC-60Min
Input Electrical Ratings	220V – 240V AC, 50/60 Hz, 9W Constant Current / 60 Min Runtime
Supported Field Protocols	DALI-2 Emergency Part 202
Mounting & Dimensions	In-Fixture Linear Low-Profile (180 x 30 x 22 mm)
Enclosure Rating & Material	Galvanized Sheet Steel (IP20)
Ambient Operating Range	0°C to +50°C Ambient Operating Range
Certification Standards	IEC 61347-2-7, IEC 62386-202, CE, BIS Certified

TERMINAL BLOCK PINOUT & WIRING ASSIGNMENTS

Terminal / Pin	Designation & Electrical Function
L-UNSWITCHED	Permanent Mains Sensing (230V AC)
L-SWITCHED	Normal Wall Switch Phase Input
N	Mains Neutral Common
DA / DA	DALI-2 Emergency Bus
LED+ / LED-	DC Constant Current Output to Luminaire

Regulatory Compliance Notice: Manufactured and tested strictly in accordance with ISO 9001:2015 quality standards at AISPL Engineering Facility, Mumbai, India. All technical specifications are subject to verification against local BIS / IEC installation guidelines.

✓ VERIFIED BY AISPL MUMBAI LAB
TEST REPORT CERT: AISPL-DS-DB9W-2026-REV1-OK

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