

Deka
duration®

BY MK BATTERY

DEKA DURATION



SMART LFP BATTERIES

TESTED. RELIABLE. TRUSTED.



FEATURES

12V LiFePO₄

12.8V nominal lithium iron phosphate chemistry

Certified

Cell-level UL 9540A testing, UN38.3, UL 1973 Recognized Component, IEC 62619, CE

Integrated BMS

Built-in protection and system management

IP67 Rated

Dust-tight and water-resistant enclosure

Fire-Rated Housing

ABS + PC industrial enclosure

Heated Options

Reliable performance in cold climates

Monitoring

Real-time battery monitoring and diagnostics

PERFORMANCE

99% Efficiency

Optimized energy utilization

Extended Cycle Life

Up to 6,000 cycles

1C Charge / Discharge

Fast Charge and Discharge rate

Cell Balancing

Optimizes battery performance and longevity

Smart Communication

Battery to inverter and battery to battery communication

Up to 100% DoD

Deep Cycle performance

Optimal Duty Cycle

Low heater consumption

BENEFITS

Drop-in Replacement

Group 27 and 8D footprint

Long Service Life

Lower replacement frequency

Maintenance-Free

Set-and-forget lithium performance

Expandable Systems

Scalable configurations with up to 16 batteries

Reliable Operation

Advanced protection for safe, stable performance

Low Total Cost of Ownership

Reduced replacement and maintenance costs

APPLICATIONS

- Security & Surveillance ● Utility Providers ● Railways and Transportation ● RV
- Oil & Gas ● Traffic Management ● Renewable Energy / Off-Grid Systems ● Marine

Model	Ah Capacity	Weight - lbs (kg)	Dimensions - L x W x H - Inches (mm)	Temperature
DD100-12	100	26.0 (11.8)	12.1 x 6.6 x 8.3 (307.3 x 167.6 x 210.8)	Discharge: -4° to 140°F (-20 to 60°C) Charge: 32° to 140°F (0° to 60°C)
DD300-12	300	81.8 (37.1)	19.7 x 10.4 x 9.2 (500.3 x 264.2 x 233.7)	Discharge: -4° to 140°F (-20 to 60°C) Charge: 32° to 140°F (0° to 60°C)
DD460-12	460	98.1 (44.5)	19.7 x 10.4 x 9.2 (500.3 x 264.2 x 233.7)	Discharge: -4° to 140°F (-20 to 60°C) Charge: 32° to 140°F (0° to 60°C)
DD100-12H*	100	26.5 (12.0)	12.1 x 6.6 x 8.3 (307.3 x 167.6 x 210.8)	Charge & Discharge: -4° to 140°F (-20 to 60°C)
DD300-12H*	300	82.7 (37.5)	19.7 x 10.4 x 9.2 (500.3 x 264.2 x 233.7)	Charge & Discharge: -4° to 140°F (-20 to 60°C)
DD460-12H*	460	99.2 (45.0)	19.7 x 10.4 x 9.2 (500.3 x 264.2 x 233.7)	Charge & Discharge: -4° to 140°F (-20 to 60°C)

*Heated Model