

AE10K Energy Storage Module 10kWh

The AE10K is the foundation of the powerful and flexible energy storage systems from Amerlight Energy. The LifePO4 chemistry is stable for increased safety and durable for more cycles and a longer life than traditional Li-Ion. The AE10K delivers more energy at a lower cost.



Features

10.24 kWh of Battery Power output at 51.2 Volts Direct Current at 200 Amp Hours

Power select appliances during a power outage.

Power tools, lighting, RVs off-grid

Recharge from the Grid, Solar, Wind or other alternative sources.

Rugged Aluminum and Steel construction with Stainless Steel hardware
Communication Ports for MicroGrid integration.

Safety Breakers, Safety guard connectors for output power terminals.

Battery Charge Level, On/Off and Running Operation LED Indicator

Overcharge, Over voltage, High Temp and Over Current Protection

Automatic Capacity Preservation and switching between Constant Current and Constant Voltage charging.

Short Circuit Protection

Over Temperature Alarm

Default value for Depth of Discharge is 80%

Technical Specifications

10kWh Capacity LiPo4 Battery Storage System

Max Dis 2hr

General Operating Voltage Range 48VDC

Nominal voltage : 51.2V

Typical capacity : 200Ah

Max charge voltage : 58.4

Discharge cut-off voltage : 40V

Max charge current : 50A

Max continuous discharge current : 100A

Max pulse discharge current : 3500A(3S)

Charge temperature : 0°C - 45°C

Discharge temperature : -20°C - 60°C

Storage temperature : -10°C - 35°C

Cycle life @ 100% DOD(25°C) : ≥3000

Integrated Battery Management System

Multiple communications interfaces RS-232, RS-485, CAN Can be paired with multiple units in parallel for added capacity.

Weight 156 Lbs

H10" X W20" X L20"

Order Code

AE10K