



AES LiFePO₄ BATTERIES



42-48-6650



44-48-3000

AES LiFePO₄ 7.4 kWh 48 V

- Nominal Energy: 7.4 kWh
- Usable DoD: 90%
- Rated Cap: 6.65 kWh (130 Ah)
- Continuous Current: 130 A
- Peak Discharge (3 sec): 300 Adc
- Warranty: 10 years, or 38 MWh
- UL 1973, UN 38.3 DOT

AES LiFePO₄ 3.0 kWh 48 V

- Nominal Energy: 3.0 kWh
- Usable DoD: 100%
- Rated Cap: 2.9 kWh (57 Ah)
- Continuous Current: 57 A
- Peak Discharge (3 sec): 219 Adc
- Warranty: 10 years, or 16 MWh
- UL 1973, UN 38.3 DOT

(3.0 kWh Specifications are Preliminary)



PARALLEL POWER

- Up To 148 kWh (per LYNK)
- Linear Scaling of Charge, Discharge, Peak Capacity



SURGE POWER

- Peak Power for Off-grid Inverter Surge



DYNAMIC PERFORMANCE

- Up to 25% Faster Recharge from 0% to 100% SoC
- Real-Time Optimization of the Charge Rate



HIGH CURRENT BMS

- Field Serviceable
- Communicates SoC and Sets Voltage, Temp Parameters
- LYNK Port - Connects Battery String to LYNK Gateway



FAST CHARGING

- 1C Continuous Charge Rate, Regardless of SoC
- 5x Faster than New Lead-Acid
- 2x Faster than C/2 Rated Lithium Batteries



EXTENDED SERVICE LIFE

- 10x the Life of Lead-Acid (BCI-06)
- Unlimited Partial SoC Cycles



ENHANCED RUNTIME

- 2x Runtime of Lead-Acid
- 100% Usable Capacity
- 100% Depth of Discharge



HIGH EFFICIENCY

- Up to 50% More Energy Efficient Than Lead-Acid
- 99% Round Trip Efficiency

COMPATIBLE WITH: SCHNEIDER ELECTRIC, STUDER, SMA, OUTBACK, SOL-ARK, VICTRON & OTHERS



LYNK COMMUNICATION GATEWAY

LYNK Communication Gateway aggregates and displays in real time the State of Charge for Discover AES LiFePO₄ batteries.

Unlock the full potential of a Discover AES LiFePO₄ Battery by enabling the internal Battery Management System (BMS) to optimize and dynamically manage the charge and discharge configurations of the world's best off-grid inverter chargers and solar charge controllers. Turn a good system into a great one with up to 25% improvement in 0% to 100% SoC recharge time. Remotely monitor the aggregate SoC for a string of AES LiFePO₄ batteries and data log multiple sites using the data monitoring services offered by multiple brands of off-grid inverter systems.

P/N 950-0015



BENEFITS AND FEATURES

REAL TIME STATE OF CHARGE

AES battery State of Charge (SoC) is displayed in real time by multiple brands of off-grid inverters. LED segments on LYNK device provide additional at a glance reference.

REMOTELY MONITOR STATE OF CHARGE

Remotely monitor the aggregate SoC for a string of AES batteries and data log sites using the data monitoring services offered by multiple brands of off-grid inverters.

FULL COMPATIBILITY

AES battery charge settings are automatically sent and programed to multiple brands of off-grid inverter chargers and solar charge controllers.

FASTER CHARGING

Up to 25% faster charging with dynamic SoC communication between AES battery and power conversion system with compatible inverter/chargers.

MAXIMIZE THE BATTERY

Battery balancing is optimized enabling the highest usable capacity over the entire life of the battery.

AVAILABLE LYNK EDGE CARDS

VICTRON ENERGY
P/N 950-0016-VCTRN

STUDER INNOTEK
P/N 950-0016-STDR

OUTBACK SKYBOX - PENDING
P/N 950-0016-OBS

SMA
P/N 950-0016-SMA

SCHNEIDER CONEXT GATEWAY - PENDING
P/N 950-0016-SEGW

SOL-ARK
P/N 950-0016-SLRK

WALL MOUNTING BRACKET

Discover AES LiFePO₄ batteries can be installed on the floor or in racking as well as with a wall mount bracket that has been designed for the 48V AES LiFePO₄ batteries.

Bracket for 42-48-6650 P/N 950-0018

Bracket for 44-48-3000 P/N 950-0023



EASY WALL MOUNT CONFIGURATIONS

