ACCESSORIES





State of Charge (SOC) indicator with LYNK®





Exchangeable edge card system allows for closed loop integration with numerous inverter and charge controller manufacturers

OPTIMIZE YOUR
AES SOLAR BATTERY BANK WITH





CONTACT US

PHONE

+1 (778) 776-3288

EMAIL

solarsales@discoverbattery.com

ADDRESS

Discover Battery #4 - 13511 Crestwood Place Richmond, BC, Canada V6V 2E9

ADVANCED ENERGY SYSTEMS

LiFePO₄ Batteries



Subscover a longly colp.

Discover is a registered trademark and used under license.

All Rights Reserved.

Itempts to ensure the correctness of the product description and data contained herein. We reserve the rig
igns, specifications and pricing at any time without notice or obligation. It is the responsibility of the read



Your customers can't afford lead



It is easy to build a lithium battery, but it is extremely difficult to design and build a **robust battery** that will survive serious electrical and mechanical destructive testing

- LiFePO, is the most stable lithium chemistry
- Commitment to integrity, third party verification, and certification
 - UN 3480, UN 38.3, UL1973, IEC 62133



Plug and Play, closed loop communications with leading off-grid inverter and charge controller manufacturers for adaptive, real time interaction between AES and connected power electronics

- State of charge is no longer an estimate, it is a real number
- Perfect charge control when paired with LYNK® enabled chargers



Significantly outlast lead acid batteries and dramatically reduce your customer's energy storage costs over the life of their system

- Continuously operate at partial state of charge, discharge and charge to 100% of its rated capacity (whereas lead acid batteries start to dramatically lose capacity nearly the moment they are put in service)
- Provide 90% of original capacity 10x longer than high quality lead acid

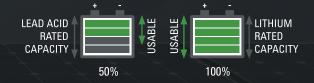


Scalable energy storage to meet the run-time and autonomy requirements unique to off-grid solar and whole home backup power



Double the runtime and energy output over lead acid banks of the same capacity

• Provides at least **2x** the usable energy in a single cycle versus lead acid without risk of damaging the battery





With round trip efficiency >95%, save your customers at least 15% of their stored energy capacity every time they cycle their system when compared to high quality, lead acid batteries

• Save 1.5 kWh in energy costs for every 10 kWh of energy charged



Fully recharge up to **5x faster** than new lead acid batteries

• Up to **50% less** diesel run time



Enables AES batteries to handle high charge and discharge current requirements common to solar applications

• 1C continuous charge and discharge capability and up to 4x peak current handling



14-24-2800

Volts	24
1HR Energy (kWh)	2.8
1HR Capacity (Ah)	110
Length in/mm	13/330
Width in/mm	13.7/348
Height in/mm	10.8/276
Weight lb/kg	88/40
20HR Equivalent Lead Acid Capacity (Ah)	220



44-24-2800*

Volts	24
1HR Energy (kWh)	2.8
1HR Capacity (Ah)	110
Length in/mm	13/330
Width in/mm	13.7/348
Height in/mm	10.8/276
Weight lb/kg	88/40
20HR Equivalent Lead Acid Capacity (Ah)	220
With Xanhus	



12-48-6650

Volts	48
1HR Energy (kWh)	6.65
1HR Capacity (Ah)	130
Length in/mm	18.5/472
Width in/mm	13.7/348
Height in/mm	14.7/375
Weight lb/kg	192/87
20HR Equivalent Lead Acid Capacity (Ah)	260



42-48-6650*

^{*}With Xanbus





UL 1973

Discover AES LiFePO batteries are certified for use as energy storage for stationary applications