

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



Discover®
Innovative Battery Solutions

ADVANCED ENERGY SYSTEMS

LiFePO₄ Batteries

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10 year performance warranty!

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“ 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

- **LiFePO₄** 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



PARALLEPOWER®

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



RAPI-CHARGE®

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

- Up to **50% less** diesel run time



RUSH®

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 Xanbus



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*

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

*With Xanbus



UL 1973

Discover AES LiFePO₄ batteries are certified for use as energy storage for stationary applications