



## Optimized Discover AES Lithium Battery Charging for Residential Solar Systems

LYNK communication gateway unlocks the full potential of a Discover AES LiFePO<sub>4</sub> Battery by enabling the internal Battery Management System (BMS) to optimize the charge and discharge configurations of the world's best residential inverter chargers and solar charge controller systems.

LYNK provides closed-loop communications for adaptive interaction between the Discover AES battery and power conversion electronics turning a good system into a great one with up to 25% improvement in 0% to 100% SoC recharge time.

LYNK enables remote display and reporting of battery system-level status through supported third party web portal and cloud monitoring services.

### BENEFITS AND FEATURES

#### Full Compatibility

Integrates Discover AES LiFePO<sub>4</sub> Battery with multiple brands of residential inverter chargers, solar charge controllers and remote monitoring platforms.

#### Mix and Match Systems

Two slots for plug and play Edge Cards allows for two brands of power conversion electronics to integrate with AES LiFePO<sub>4</sub> Battery in the same power system.

#### Faster Charging

Up to 25% faster charging with dynamic control between battery and power conversion system.\*

#### Maximize the Battery

Internal cell balancing is optimised enabling the highest usable capacity and true 100% depth of discharge over the entire life of the battery.

#### Real Time Precision

State of Charge is accurately calculated and communicated in real time to the system.

#### Secure Remote Access

Monitor up to twenty AES LiFePO<sub>4</sub> batteries, download data, or update product over secure internet web application.

#### Secure Local Access

Download files or update product with USB stick.

## TECHNICAL SPECIFICATIONS

<b>DEVICE NAME</b>	LYNK
<b>Part Number</b>	950-0015
<b>COMMUNICATION INTERFACE</b>	
<b>AEBus</b>	Connector: 1x RJ45 Supported Products: Up to 20 AEBus enabled Discover AES Lithium Batteries
<b>Ethernet</b>	Connector: 1x RJ45, 10/100 MPS. ModbusTCP/IP
<b>Edge Card Slot x 2</b>	Connector: Inverter Charger and Solar Charge Controller Specific Protocol: Inverter Charger and Solar Charge Controller Specific (RS232, RS485, CAN)
<b>DATA INTERFACE</b>	
<b>USB 2.0 Host</b>	Connector: USB-A Protocols: Mass Storage Device (firmware upgrade, configuration, data download)
<b>POWER SUPPLY (INCLUDED)</b>	
<b>Peak Current</b>	200 mA (12 V)
<b>DC Input</b>	Connector: RJ45 (AEBus port)

## GENERAL SPECIFICATIONS

<b>Weight</b>	110 g
<b>Dimensions (L x W x H)</b>	95 x 50.5 x 40 mm (3.7 x 2.0 x 1.6 in)
<b>IP Rating</b>	IP20 (indoor use only)
<b>Temperature</b>	Operating: -20°C to 50°C (-4°F to 122°F) / Storage: -40°C to 85°C (-40°F to 185°F)
<b>Mounting</b>	Included: Double gang box with faceplate, wall mount with faceplate Optional: Din rail 35 mm
<b>Display Status LED</b>	10 x State of Charge LEDs, 1 x AEBus connection LED, 1 x USB Status LED
<b>Humidity</b>	Operating: < 95%, non-condensing / storage: < 95%
<b>FEATURES</b>	
<b>Firmware</b>	Updates over secure internet connection or local USB stick
<b>Edge Card Slots</b>	Up to two cards per LYNK, one card per brand of compatible power conversion devices
<b>Data logger</b>	Individual battery data and aggregate of up to 20x AES LiFePO <sub>4</sub> Batteries
<b>Internal Memory</b>	1 Gb flash
<b>Programmable</b>	Push email notifications, generator start set points, digital signal NC-Com-No (5V)
<b>STANDARDS</b>	
<b>Marking</b>	Pending
<b>EMC</b>	Pending

Specifications subject to change without notice.

## AVAILABLE LYNK EDGE CARDS

### Victron Energy

Part # 950-0016-VCTRN  
Edge Card Slot 0, RJ45 Connector

### Studer Innotec

Part # 950-0016-STDR  
Edge Card Slot 0, RJ45 Connector

### MidNite

Part # 950-0016-MDNT  
Edge Card Slot 0/1

### Morningstar

Part # 950-0016-MGSTR  
Edge Card Slot 0/1, Phoenix Connector

### Outback Power

Part # 950-0016-OBS  
Edge Card Slot 0, RJ45 Connector

### Schneider Electric

Part # 950-0016-XNBS  
Edge Card Slot 0

### SMA

Part # 950-0016-SMA  
Edge Card Slot 0, RJ45 Connector

### Magnum Energy

Part # 950-0016-MGNM  
Edge Card Slot 0/1, RJ14 Connector

## LYNK COMPATIBILITY AND FUNCTIONAL CAPABILITIES MATED WITH

**Discover AES LiFePO<sub>4</sub> Battery:**  
42-48-6650, 44-24-2800

### Morningstar

TriStar MPPT 600V, TriStar MPPT 60V (monitor, web portal, cloud service)

### Victron Energy

Color Control GX and Venus GX enabled devices (monitor, web portal, cloud service)

### SMA

Sunny Island 4.4M, 6.0H, 8.0H, 4548-US, 6048-US (monitor, web portal, cloud service)

### Studer Innotec

Xcom-CAN compatible devices (monitor, web portal, cloud service)

### Outback Power

Requires Outback AXS port (monitor, web portal, cloud service)

### Schneider Electric

All Xanbus enabled devices

### Magnum Energy

Pending

### MidNite

Pending