LYNK Communication Gateway

AEbus

Edge Card 0 Slot

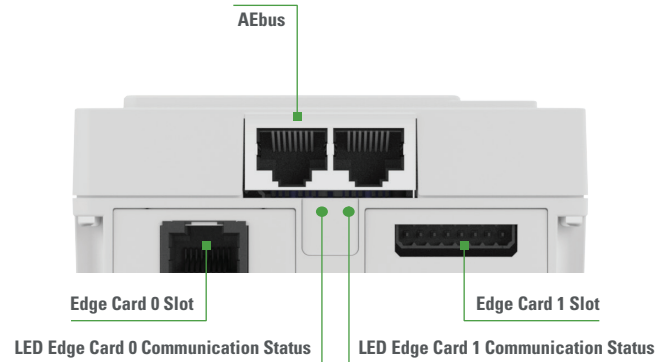Edge Card 1 Slot

LED Edge Card 0 Communication Status

LED Edge Card 1 Communication Status

State of Charge for Discover AES LiFePO$_4$ Battery

LYNK Communication Gateway aggregates and displays in real time the State of Charge for Discover AES LiFePO$_4$ 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 LiFePO$_4$ batteries and data log multiple sites using the data monitoring services offered by multiple brands of off-grid inverter systems.

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.*

Mix and Match Systems
Two slots for plug and play Edge Cards allows for two brands of power conversion electronics to be integrated with AES LiFePO₄ Battery in the same power system.

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

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* To the extent that the power electronics are capable of this function.

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TECHNICAL SPECIFICATIONS

DEVICE NAME	LYNK Communication Gateway
Part Number	950-0015
COMMUNICATION INTERFACE	
AEbus	Connector: 1x RJ45 Supported Products: Up to 20 AEbus enabled Discover AES LiFePO$_4$ Batteries
Ethernet	Future functionality
Edge Card Slot x 2	Connector: Inverter Charger and Solar Charge Controller Specific Protocol: Inverter Charger and Solar Charge Controller Specific (RS232, RS485, CAN)
DATA INTERFACE	
USB 2.0 Host	Connector: USB-A Protocols: Mass Storage Device (firmware upgrade, configuration, data download)
POWER SUPPLY (INCLUDED)	
DC Output	12V DC 500 mA Max: RJ45 (AEbus)
DC Input	16 - 60V DC 375 mA Max: (+) Red, (-) Black

GENERAL SPECIFICATIONS

Weight	110 g
Dimensions (L x W x H)	95 x 50.5 x 40 mm (3.7 x 2.0 x 1.6 in)
IP Rating	IP20 (indoor use only)
Temperature	Operating: -20°C to 50°C (-4°F to 122°F) / Storage: -40°C to 85°C (-40°F to 185°F)
Mounting	Included: Wall mount faceplate, surface mount bracket Optional: DIN Rail 35 mm
Display Status LED	10 x State of Charge LEDs, 1 x AEbus connection LED, 1 x USB Status LED
Humidity	Operating: < 95%, non-condensing / storage: < 95%
FEATURES	
Firmware	Update over local USB port.
Edge Card Slots	Up to two cards per LYNK, one card per brand of compatible power conversion devices
Data logger	Future functionality
Internal Memory	1 Gb flash
Programmable	Future functionality
STANDARDS	
Marking	Pending
EMC	Pending

Specifications subject to change without notice.

AVAILABLE LYNK EDGE CARDS

Victron Energy
Part # 950-0016-VCTRN
Slot 0, Connector RJ45

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

Studer Innotec
Part # 950-0016-STDR
Slot 0, Connector RJ45

Schneider Electric
Part # 950-0016-XNBS
Slot 0, Connector RJ45

Morningstar - Pending
Part # 950-0016-MGSTR
Slot 0/1, Connector Phoenix

MidNite - Pending
Part # 950-0016-MDNT
Slot 0/1, Connector RJ11

Outback Power - Pending
Part # 950-0016-OBS
Slot 0, Connector RJ45

COMPATIBILITY

Discover AES LiFePO$_4$ Battery
42-48-6650, 44-24-2800

Victron Energy
Color Control GX, Venus GX and VE.CAN enabled devices

SMA
Sunny Island 4.4M, 6.0H, 8.0H, 4548-US, 6048-US

Studer Innotec
Xcom-CAN compatible devices

Schneider Electric
Xanbus enabled devices

Morningstar
TriStar MPPT 600V - Pending
TriStar MPPT 60V - Pending

Outback Power
Skybox - Pending

MidNite
Pending