Discover®
Innovative Battery Solutions

LYNK
NETWORK DEVICE

LYNK II

Communication Gateway

For Discover Helios ESS and AES $LiFePO_4$ Solar Stationary Batteries

LYNK II Communication Gateway aggregates and displays in real-time the State of Charge for Discover HELIOS ESS and AES $LiFePO_4$ batteries. Unlock the full potential of these lithium batteries by enabling them to optimize the charging configurations of hybrid inverter-chargers and solar charge controllers.

Turn a good solar system into a great one with up to 25% improvement in 0% to 100% SoC recharge time. Remotely monitor SoC and data log multiple sites using the data monitoring services offered by inverter systems.

REAL-TIME DATA

State of Charge (SoC), voltage, temperature and battery status is communicated in real time to hybrid inverter-charger.

FASTER CHARGING

Up to 25% faster 0% to 100% SoC charging with dynamic charge management.

REMOTE MONITORING

Remotely monitor the aggregate SoC for a string of batteries, and data log sites using the data monitoring services offered by hybrid inverter systems.

FULL COMPATIBILITY

Battery related settings are automatically programmed for multiple brands of hybrid inverter-chargers and solar charge controllers.

STATUS VIEW

At-a-glance SoC LEDs, communication status LED.

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.

PROGRAMMABLE RELAYS

Trigger relays using battery SoC and DC current to control external devices such as generators and HVAC.

SIMPLE SERVICE

Download data logs, upload battery firmware, and more.

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UNLOCK THE FULL POTENTIAL OF DISCOVER HELIOS ESS AND AES LiFePO$_4$ SOLAR BATTERIES.

SPECIFICATIONS

DEVICE	LYNK II COMMUNICATION GATEWAY
Part Number	950-0025
L x W x H	120 x 135 x 44 mm / 4.7 x 5.4 x 1.7 in
Weight	0.3 kg / 0.7 lb
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)
Humidity	Operating: < 95%, Non-condensing / Storage: < 95%
Mounting	Built-in Surface / Flush Mount Bracket
Display LEDs	5 x State of Charge LEDs, 1 x LYNK Port Connection LED, 1 x Memory Status LED, 1 x CAN out LED
COMMUNICATION PORTS	
LYNK Ports	RJ45, IEC (M12 -5 PIN)
Memory	SD Memory Card
CAN Out	RJ45, Phoenix
RELAYS	
Programmable	Phoenix (5A - NO, NC COMM / 5A - NO, COMM / 5A - NO, COMM)
DATA INTERFACE	
USB Device	Type-B Mini
POWER INPUT NOMINAL	
LYNK Port	12 V
Phoenix	13 - 90 V
USB Device	5 V
STANDARDS	
Marking	CE
COMPATIBLE BATTERIES	
AES LiFePO$_4$	7.4 kWh 48V (42-48-6650), 3.0 kWh 48V (44-48-3000), 2.8 kWh 24V (44-24-2800)
HELIOS ESS	1.5 kWh 48V (46-48-1540), 1.5 kWh 24V (46-24-1540)

LYNK ACCESS - Windows 64 bit

Download from discoverbattery.com

- Configure LYNK II for Solar Devices
- Monitor System
- Program Relays *
- Battery Diagnostics
- Upload Battery Firmware
- Download Battery Data

ACCESSORIES - HELIOS ESS

- 950-0035 COMM Cable (0.4 m / 15.75 in)
- 950-0036 COMM Cable (1.8 m / 70.87 in)
- 950-0037 COMM Cable (7.6 m / 299.25 in)
- 950-0038 COMM T Connector with COMM Cable (0.4 m / 15.75 in)
- 950-0041 COMM T Connector

ADVANCED INTEGRATION – FASTER CHARGING

Unlock the full potential of Discover HELIOS ESS and AES LiFePO$_4$ Solar batteries by enabling the BMS to optimize and dynamically manage the charge and discharge configurations of the world's best hybrid inverter-chargers and solar charge controllers. Remotely monitor the aggregate SoC for a string of batteries and data log multiple sites using the data monitoring services offered by multiple brands of hybrid inverter systems.

AVAILABLE DEVICE CONFIGURATIONS

Download from discoverbattery.com

- Schneider Electric - Xanbus Devices
- Schneider Electric - XW Pro
- Victron Energy - Color Control GX, Venus GX, VE.CAN Devices
- Studer Innotec - Xcom-CAN Devices
- Sol-Ark - 8K Hybrid, 12K Hybrid, 5K-P, 8K-P, 12K-P, 15K-P
- SMA Sunny Island - 4.4M, 6.0H, 8.0H, 4548-US, 6048-US
- Outback Energy - Skybox
- Others

#4 -13511 Crestwood Place, Richmond, BC, V6V 2E9, Canada
+ 1.778.776.3288
info@discoverbattery.com
discoverbattery.com