



# HELIOS

## Energy Storage System



**A robust lithium solution for residential off-grid solar and tiny home power applications.**

**12V | 24V | 48V**



### LYNK PORT

- Multi-battery BMS communication
- Connects battery string to LYNK II Gateway
- Remote ON / Off



### CHARGES FASTER

- Up to 5x faster than new lead-acid batteries
- 2x faster than C/2 rated lithium batteries
- Opportunity charge at 1C rate anytime, regardless of SoC



### RUNS LONGER

- Double the high-current runtime of lead-acid battery
- Easy to parallel for more capacity
- 100% DoD usable capacity



### LASTS LONGER

- 10x the life of lead-acid battery (BCI-06)
- Unlimited Partial State of Charge cycles
- Up to 7 years of energy performance and workmanship warranty coverage



### COLD CHARGING

- Integrated self-heating



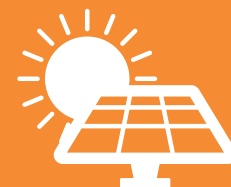
### ON / OFF STATUS

- ON / OFF Switch
- At-a-glance multi-color status LED



### LIGHTER WEIGHT

- 50% less weight than similar sized lead-acid



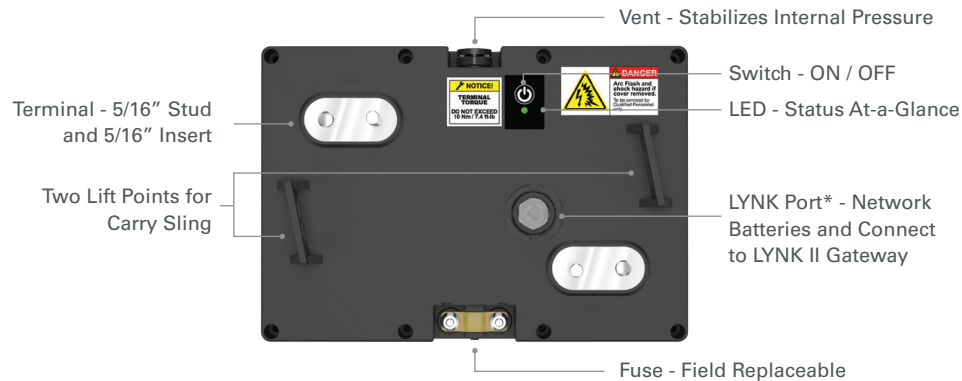


## HELIOS ESS IS FOR RESIDENTIAL OFF-GRID SOLAR AND TINY HOME POWER APPLICATIONS.

	48-12-1540	46-24-1540	46-48-1540
Industry Reference	GC2	GC2	GC2
Dimensions	10.2 x 7.1 x 10.8 in	10.2 x 7.1 x 10.8 in	10.2 x 7.1 x 10.8 in
L x W x H	260 x 180 x 275 mm	260 x 180 x 275 mm	260 x 180 x 275 mm
Weight	14.0 kg / 30.7 lb	14.0 kg / 30.7 lb	14.0 kg / 30.7 lb
Nominal Energy	1.54 kWh	1.54 kWh	1.54 kWh
Usable DoD%	100 %	100 %	100 %
Rated Capacity (1Hr)	1.5 kWh (120 Ah)	1.5 kWh (60 Ah)	1.5 kWh (30 Ah)
Continuous Charge Current	120 A	60 A	30 A
Peak Discharge (3 sec)	360 A RMS	180 A RMS	90 A RMS

## PROTECT YOUR INVESTMENT

Discover® HELIOS ESS is IP67 rated for tropical and humid environments. It includes a field-serviceable protection fuse and features high-quality cobalt and nickel-free LiFePO<sub>4</sub> cells for safe, long-life performance.



### ACCESSORIES \*

- Battery Network Cables
- LYNK Port T Connectors



## LYNK II GATEWAY

### ADVANCED INTEGRATION – FASTER CHARGING

Unlock the full potential of HELIOS ESS by enabling the BMS to optimize and dynamically manage the charging configurations of hybrid inverter-chargers - **Schneider, Victron, Sol-Ark, SMA, Studer.** **Learn more online.**



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