



HELIOS

Energy Storage System

A powerful lithium energy storage system for off-grid solar and whole home backup power.

POWERFUL

- Continuous Discharge - 200 A.
- Continuous Power - 10.2 kW.
- Peak Power - 26 kW 10 sec.
- Up to 36 modules (579.6 kWh) in parallel with Closed-loop communication
- Lifetime Energy Throughput - 94.4 MWh.
- 10-Year Warranty, plus Energy Performance Guarantee.

ALL-CLIMATE

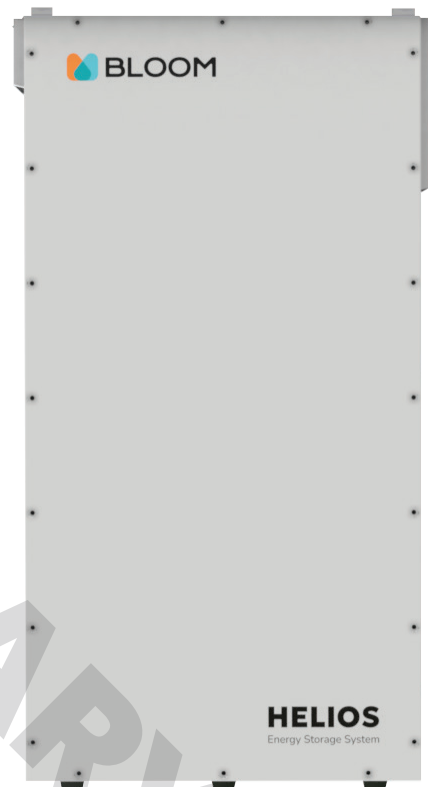
- Indoor or Outdoor Installation - NEMA 3R / IP 65.
- Self-heating for operation in low-temperature conditions.

ADVANCED SAFETY

- Dual fire arrestors.
- Rapid Shut-down (RSD) using inverter RSD or independent emergency stop button, ESS disconnects, or inverter RSD.

EFFORTLESS INTEGRATION

- Compatible with 48 V inverter chargers and solar charge controllers.
- Closed-loop communication with major inverter-charger brands.



Optional conduit box add-on for installations with Sol-Ark 15K inverters.



MECHANICAL SPECIFICATIONS

Length (A)	9.7 in (247 mm)
Width (B)	18.3 in (465 mm)
Height (C)	35.4 in (900 mm)
Approximate Weight	286.6 lbs (130 kg)
Case Material	Galvanized Steel Sheet
IP Rating	IP65
Discharge Temperature	-4°F to 131°F (-20°C to 55°C)
Charge Temperature	32°F to 131°F (0°C to 55°C)
Storage Temperature	-4°F to 131°F (-20°C to 55°C)
Terminals	Quick Connect Plug and Pull

ELECTRICAL SPECIFICATIONS

Voltage	48V
Nominal Voltage	51.2V
Cell Configuration	16S1P
Nominal Energy	16kWh
Nominal Capacity	314Ah
Low Voltage Disconnect (Recommended)	48V
Max. Continuous Charge Current	200A
Nominal Charging Current	100A
Max. Continuous Discharge Current	200A
Breaker	Parallel or Dual 125A (NDB1-125 C125/2).
Communication Ports	2x CAN (Parallel Batteries), 1x CAN (Inverter), 1x USB (Diagnostics)
Heating Power	250W

REGULATORY

Certifications	UN38.3 (pending), UL 1973 (pending), UL 9540A (pending)
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LYNK II GATEWAY

ADVANCED INTEGRATION – FASTER CHARGING

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