

ELIOS | Litio 10.2






10.24KWh Hybrid Solar Power Storage Wall

Data Sheet



The Elios Litio 10.2 is the ultimate hybrid solar power storage solution. This advanced battery pack integrates seamlessly with various inverters and energy systems, offering flexible and high-performance storage. Its slim, compact design is suitable for both indoor and outdoor use (IP65), provided that outdoor temperatures remain above -5°C . It also supports multi-parallel configurations with up to 16 units for scalable energy needs. Ideal for residential energy storage, off-grid systems, micro-grid applications, and UPS power supply, the Elios Litio 10.2 ensures reliable power with a 20+ year lifespan.

Features & Benefits

-  Designed for flexibility, with support for up to 16 parallel units and 160 kWh capacity.
-  Heating function ensures reliable performance even in colder environments.
-  Easy installation with automatic pack-level configuration.
-  Designed for durability, offering a 20+ year lifespan.
-  Equipped with an advanced Battery Management System (Built-in BMS).

Certifications

UL9540A | UL1973 | UN38.3 | RoHS | IEC62619 | CE-IEC 61000 | IEC 62040 | MSDS

ELIOS | Litio 10.2

10.24KWh Hybrid Solar Power Storage Wall

Data Sheet

SPECIFICATIONS

Dimensions (W x H x D)	21.7 x 39.4 x 6.5 in (550 x 1000 x 165 mm)
Weight	97 kg (213.8 lb)
Rated Capacity	200 Ah
Rated Voltage	51.2 V
Rated Current	0.6C, 120 A
Working Voltage Range	44.8-58.4 V
Rated Energy	10.24kWh
Max. Parallel Quantity	Max.16 Sets In Parallel ,163.84 kWh
Rated Charging Current	0.6C, 120 A
Rated Discharging Current	0.6C, 120 A
Max. Charging Continuous Current	0.6C , 120 A
Max. Discharge Continuous Current	0.6C , 120 A
Battery Max. Charge/Discharge Power	6.14 kW/ 6.14 kW
Peak Discharge Current/Power	160A / 8.19kW 1 min
Standard Charging Method	0.5C CC to 57.6 V; CV at 57.6 V Tail Current is 0.05C
Available SOC Range	10% ~ 100% / 90% DOD Is Recommended
SOC Transportation Range	50%
Operating Temperature	Charging: -5 to 55 °C / Discharging: -15 to 55 °C
Storage Temperature	-15 to 55 °C
Working Humidity	5~95% RH (Non-Condensing)
Altitude	≤ 6561 feet
Communication	CAN, RS485, Dry Contact
Designed Cycle Life (25°C±2°C)	6000 Cycle - 0.5C/80%DOD/80%SOH/1 cycle per day
Designed Calendar Life	20 Years, Working Condition 0.5 C @ 25 deg C, 80% DoD
IP Rating	NEMA Type 4
Cooling Method	Natural Cooling
Heating Power	230.4 W
Environment Protection Standard	RoHS

Applications

- Residential Energy Storage System
- Commercial
- Off-Grid Energy Storage
- Micro-Grid
- UPS Power Supply
- Peak Charge Reduction

Warranty

- 10-year limited product warranty.
- 10-year limited performance warranty.

Dimensions

