

## MONO-5

The Mono-5 from Landport Energy is an integrated home battery that stores solar energy on sunny days and provides clean and reliable electricity on cloudy days.

MONO-5 5kWh

### Flexibility

Optimized for wall-mounted installation  
Nominal energy 5kWh  
Scalable up to max. 20kWh, max. 4 in parallel

### Easy Installation

Plug & Play  
Compact, and lightweight – can be installed by two persons

### Excellent Performances

100% DOD (Depth of Discharge)  
Operates at -10°C without limitations or decreased performance (optional)

### Remote Operation & Monitoring

Real-time monitoring  
Maintenance and upgrades via Wi-Fi (optional)

### Cycle Life & Warranty

Cycle Life: 6,000 cycles  
Warranty: 10 years or 3,000 cycles



# MONO-5

## Specifications

Model	MONO-5
Cell type	LFP
Compatible with cell models	SBP-01-1000 IFP50160116A-102Ah
Connection	1P16S
Rated voltage	51.2V
Rated energy	5kWh
Usable energy (100% DOD)	5kWh
Max. amount in parallel	4
Max. energy	20kWh
Working voltage range	44.8V~55.2V
Round trip efficiency	98%
Communication	CAN/WiFi
Rated charging and discharging current	50A
Max. charging and discharging current	100A
Standard charging method	Constant current with limited voltage(constant voltage: 55.2V, cutoff charging current 5A), long time floating charge is not recommended
Protection function	Charging over voltage, discharging under voltage, over current, over temperature, short circuit protection
Dimensions	544*533*147mm (W*H*D)
Weight	53kg
Internal resistance	<30mΩ
Dissipation	Natural dissipation
Working ambient temperature	Charging -10°C~50°C; Discharging -20°C~50°C
Working altitude	<4,000m, derating above 2,000m
Working ambient humidity	10%~95%RH
Storage temperature	-10°C~35°C
Enclosure rating	IP65
Installation	Indoors/Outdoors
Certification	UIEC62619,CE,UN38.3
Cycle life	6,000 cycles (25°C, 0.5C/0.5C, 90%DOD, SOH70%)*
Warranty	10 jaar (min. SOH 70%) of 3.000 cycli (min. energy throughput: 12.7MWh/90%DOD/SOH 70% per 5kWh)

\*6,000 cycles or more: The number of cycles possible with this battery makes it ideal for long term use. With an average of 250 cycles per year, the Mono-5 has an estimated service life of nearly 25 years.



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