

M 8 AIO

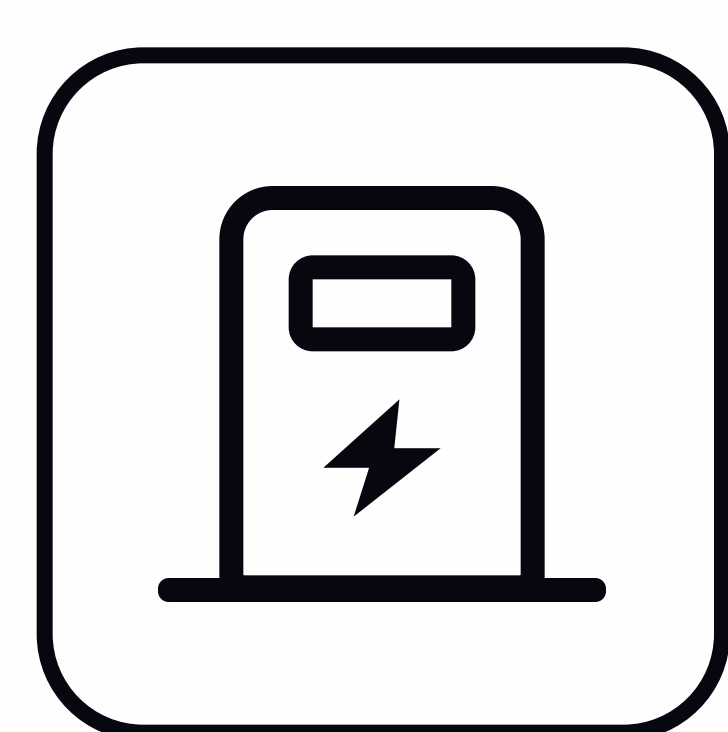
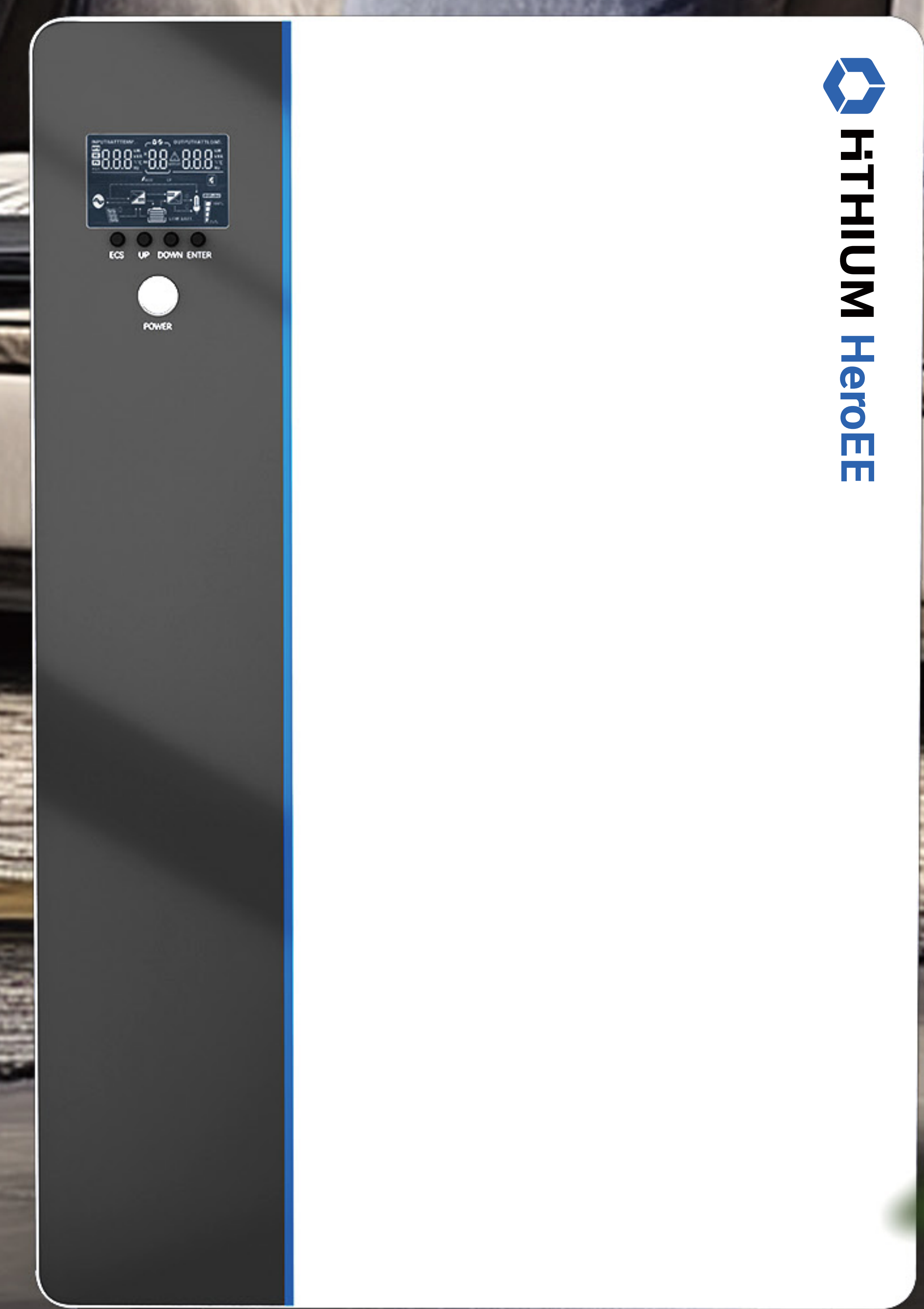


M 8 AIO

All-In-One ESS

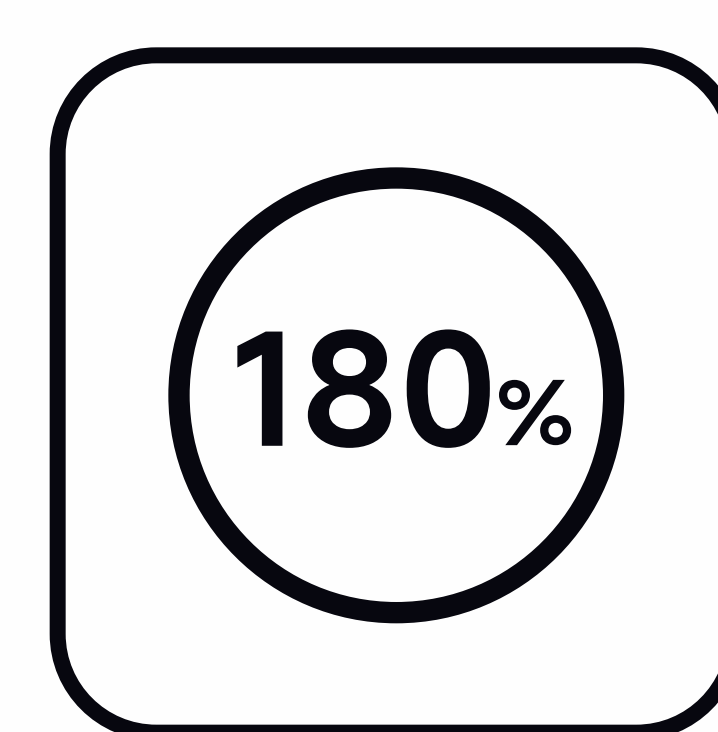
Power, Always On

M 8 AIO is an off-grid all-in-one residential energy storage system that stores electricity from solar PV, the utility grid, or a generator, enabling round-the-clock power supply for households, reducing electricity costs, and providing reliable backup during power outages.



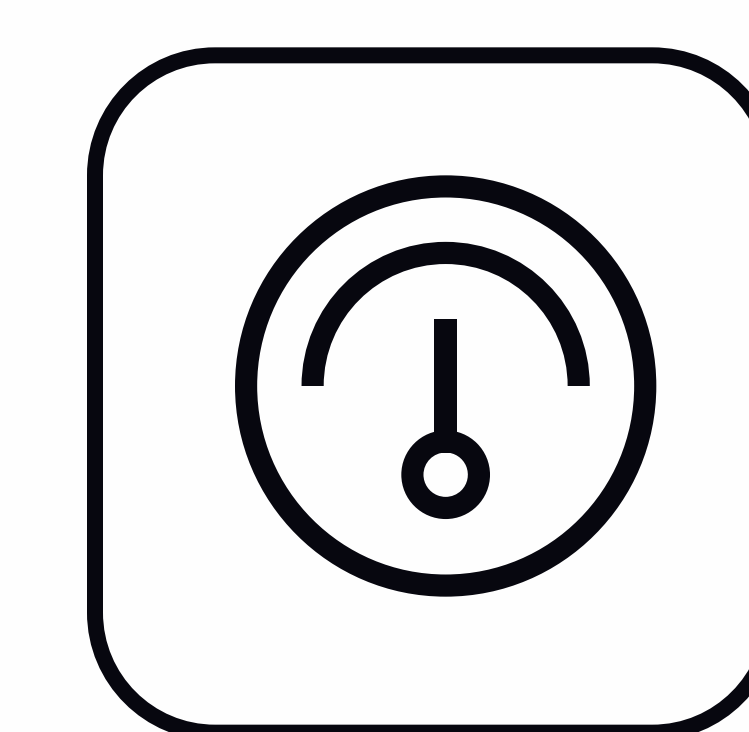
All In One Design

Compact battery integrating charge, discharge, and storage.



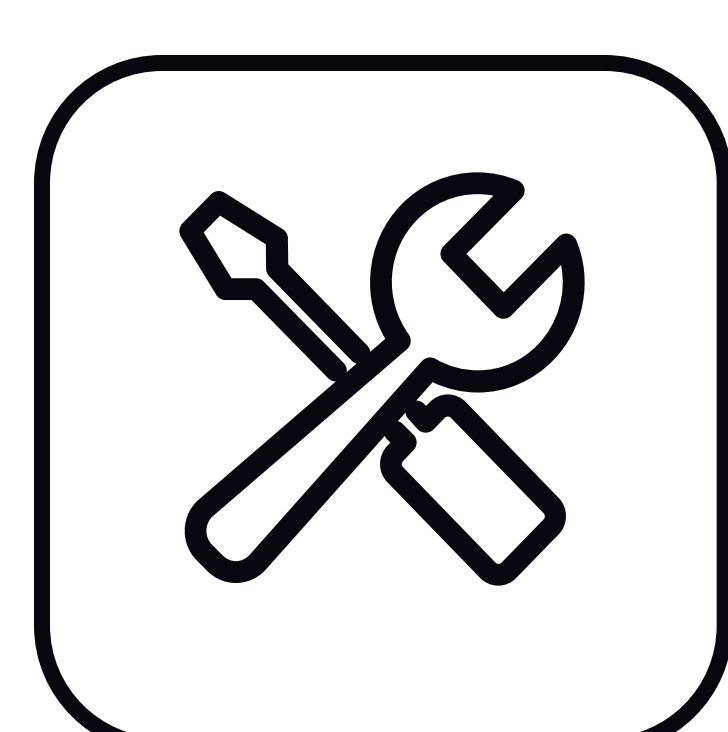
180% DC/AC Ratio

Convert up to 9kW of solar power into 5kW AC output for daytime use, while the remainder charges the battery.



High Performance

5kW output, 38% above comparable 3.6kW units.



Easy Installation

Saves time and labor, installable even in remote areas.



Grade-A Battery Cells

HeroEE Cells by HiTHIUM, 2025 Q3 Global Shipment of Energy Storage Batteries TOP 2.



All-Round Safety

Short-circuit protection, surge resistance, safe and reliable.

HeroEE M 8 AIO Technical Specifications

System

Battery Energy	8kWh
Nominal Output Power	5kW
Battery Type	LFP (LiFePO ₄)
Dimensions (W*D*H)	500*230*757mm
Weight	75kg

PV Input Data

Max. PV Input Power	9kW
MPPT Voltage Range	60~450V
Max.PV Input Current	27A
MPPT Tracking Efficiency	99.5% Max

AC Output/Input Data

Nominal Power	5kW (Output/Input)
Backup Power	4kW (Battery Only)
Peak Output Power (10s)	6kW (With PV)
Rated Voltage	230V 50Hz/60Hz
Input Voltage Range	90~280V 40Hz~70Hz
Phase	Single Phase

Battery Info

Rated Battery Voltage	25.6V
Rated Capacity	314Ah
Depth of Discharge (DoD)	90%
Cycle Life	11,000 cycles@(25°C, 100%DOD, 0.5P, @70%SOH)

General

Operating Temperature	Charge: 0°C to 45°C Discharge: -15°C to 45°C	
Storage Temperature	-20°C to 60°C	
Interface	USB/RJ45/MC4/Phoenix Terminal	
Cooling Strategy	Intelligent Fan	
Humidity	10%~90%	
Display	LCD	
Certifications	Ingress Rating	IP20
	Cell	UL9540A, UL1973, IEC62619, UN38.3
	Battery Pack	CE, UN38.3, IEC62619

*The above is for reference only, the specification sheet shall prevail.

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website