



5.12kWh Helio LV LiFePO4 Battery



51.2v THS5

THS Series LiFePO4 Battery

Wall-Mounted | Scalable | Smart Battery System

Available in 5.12kWh / 10.24kWh / 15.66kWh

The THS Series is a premium, industry leading range of lithium iron phosphate (LiFePO4) batteries engineered for performance, safety, and long service life. With a wall-mounted design, these batteries are ideal for residential and commercial energy storage systems - both on-grid and off-grid.



Modular & Scalable Design

Perfect for expanding systems, stack or parallel multiple units as needed



High Power Output

Supports up to 200A continuous charge / discharge on select models



Long Cycle Life

Up to 6000 cycles @ 80% DOD for exceptional longevity & value



Compact & Wall-Mountable

Sleek and durable casing for easy indoor installation



Wide Operating Temp

Reliable from -20°C to 60°C in various climates & applications



Smart BMS Integration

Real-time monitoring of voltage, current, temp & cell balancing

Battery Data Sheet

Battery Specifications		
Model	THS5	
Nominal Parameters		
Voltage	51.2V	
Capacity	100Ah	
Energy	5.12 k W h	
Dimensions (L * W * H)	580*440*160mm	
Weight	45.5Kg	
Basic Parameters		
Service Life (25°C)	10 years	
Cycle Time (80%DOD, 25°C)	6000 cycles	
Storage Time/Temperature	5 months (25°C), 3 months (35°C), 1 month(45°C)	
Operating Temperature	- 20°C to 60°C @ 60±25% relative humidity	
Storage Temperature	0°C to 45°C @ 60±25% relative humidity	
Case Protection Class	IP21	
Electronic Parameters		
Nominal Voltage	51.2VDC	
Maximum Charging Voltage	57.6VDC	
Discharge Cut-off Voltage	43.2VDC	
Charge Current	Continuous	50A
	Maximum	100A
Discharge Current	Continuous	100A
Warranty & Certification		
Warranty	10 Years	
Certification	UL9540A/UL1973/IEC62619/UN38.3	