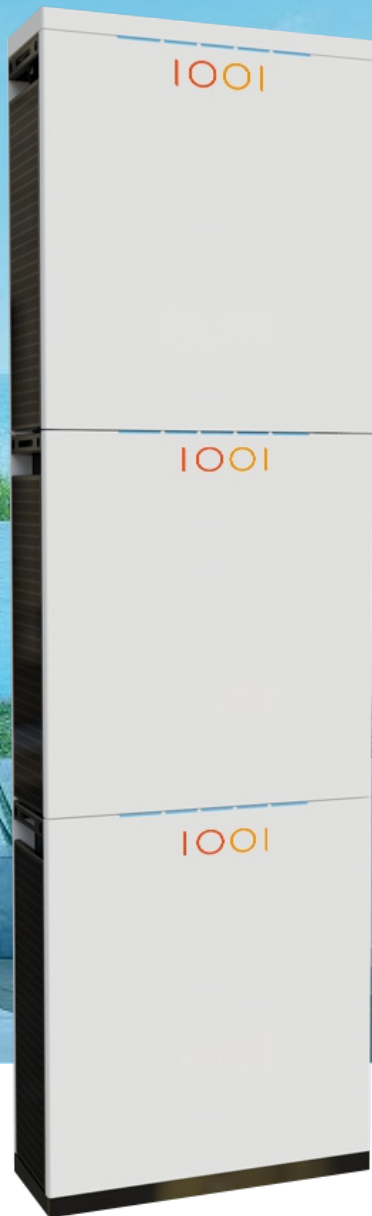




# i-Battery Wall Mounted 5.12KWh Low-volt Stackable Battery



Delivers flexibility with its stackable modular battery system, ideal for homes and small businesses. Easily expand capacity by stacking units, while simple installation and portability make it user-friendly. Advanced BMS protection ensures safety and reliability for your energy needs.



## A-Grade LFP Cells

Safe, reliable, and long-lasting performance.



## Easy Installation

Modular design for flexible capacity and quick setup.



## BMS Protection

Hardware and software safeguards against overcharge and over-discharge.



## High Power Rate

Supports up to 5kW per unit for efficient energy usage.



## Scalable Capacity

Connect up to 16 units for a total capacity of 81.92kWh.



## Elegant Design

Elegant soft blue light indicator design and concealed terminals.

Model	i-BW5K		
<b>Battery Specification</b>			
Battery Modules	1 pcs	2 pcs	3 pcs
Nominal Capacity	5.12Kwh	10.24Kwh	15.36Kwh
Nominal Voltage	51.2V		
Working Voltage Range	40-58.4V		
Nominal Charge/Discharge Current	50A	100A	150A
Max.Charge/Discharge Current <sup>1</sup>	100A	200A	200A
Cycle Life <sup>2</sup>	8000 Cycles		
Cell chemistry	Lithium-iron phosphate (LiFePO4)		
<b>General Specification</b>			
Display	SOC status indicator, LED indicator		
Communication	RS485 / CAN		
Dimensions (W x D x H)	520*201.6*613.4mm	520*201.6*1166.8mm	520*201.6*1720.2mm
Weight <sup>3</sup>	51kg	100kg	149kg
Installation	Floor stand stackable		
Operating temperature	-20 °C to +55 °C		
Max. operating altitudes	< 4500m		
Relative humidity	<95% non-condensing		
Cooling	Natural convection		
IP rating	IP 20		
Scalability <sup>4</sup>	Max. 3 batteries per stack; Max.16 battery in parallel operation		
Compatible inverters <sup>5</sup>	Afore, Deye, Epever, GSL, Growatt, INVT, Infypower, Megarevo, NEP, Pylon, SAJ, Sinexcel, Sofar, Solis, SRNE, Sunwoda, Victron, Voltronic		

\*1 The maximum charging current is limited by the power lines and BMS. Helith recommends a maximum current of 200A.

\*2 Test conditions: After 8000 cycles at 80% Depth of Discharge (DOD), 25 °C ambient temperature, and 0.5C discharge rate, the remaining capacity is 70% of the initial capacity (EOL).

\*3 The weight of the energy storage module is subject to actual products, with a tolerance of ±3%.

\*4 Each set can stack up to 3 batteries at most. If more than 3 batteries need to be connected, they can be divided into multiple sets. If more than 16 batteries are connected in parallel, additional inverters will be required.

\*5 For the latest compatibility with inverters, please confirm with the Helith team.

Disclaimer: The above data represents theoretical values measured in a laboratory under specific conditions. Actual values may vary slightly due to product variations, software versions, usage conditions, and environmental factors. Please refer to actual conditions for confirmation.

