

HP10-Box5 Pro LV Series

Household Lithium Battery System

HP10-Box5 Pro series adopts industrial aesthetic design. The system is composed of 100Ah modules, supports a maximum of 20 parallel groups, and the capacity can be expanded to 102kWh. Matched with main stream brands of inverters, the system can be applied to grid-connected, off-grid, photovoltaic and all kinds of green and low-carbon applications of household ESS.

5.12 kWh



Industrial Aesthetics

5.12 kWh for one system, industrial aesthetic design, wall-mounted, optional color.



Wide Compatibility

The system matches 20+ brands of mainstream inverters; user can use inverter's APP to monitor the battery status in real time.



High Security

Shoto's self-produced 100Ah LFP Prismatic Cell, which is highly safe and reliable.



Ultra-Long Life

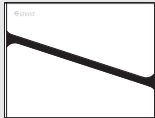
Ultra-long cycle cell



High Scalability

Optional expansion functions: anti-theft, fire protection, Bluetooth module, etc.

Technical Parameters

Model	HP10-Box5 Pro
	
Battery Capacity	100Ah LFP
Battery DoD	80%
Number of Modules	1
Nominal Voltage	51.2V
Operating Voltage Range	40.0~56.4V
System Nominal Energy ^[1]	5.12kWh
Available System Nominal Energy	4.096kWh
Max/Rated DC Power	5.12kW
Peak DC Power	5.4kW, 10s
Max. Charging Current	100A
Max. Discharge Current	100A
Charge and Discharge Efficiency	≥95%
DoD	80%
Overview	
Dimensions [W*H*D] ^[2]	580*150*440mm
Weight ^[3]	45kg
Communication	CAN/RS485
Installation	Wall
Enclosure Rating	IP20 (indoor use)
Operating Temperature ^[4]	Charge: 0 ~ 45°C; Discharge: -15 ~ 50°C; Recommended: 15 ~ 35°C
Operating Humidity	5%~95% [Non-Condensing]
Cooling Mode	Natural Cooling
Operating Altitude	≤2000m
Country of manufacture	Made in china
Safety/Standards	
Certification	UL1973、IEC62619、IEC62477、CE-EMC、VDE2510-50、CEI0-21、UKCA、UN38.3

* Note:

[1] Test environment: 0.2C charge and discharge @25°C&80%DOD; [2] The size of a single battery, not including the fittings;

[3] Weight error ±2kg; [4] -5°C-10°C, power reduction of 10%-15%.

* Declaration:

This information is only a brief description of the product performance, if you need the latest product information, please contact our business personnel or log in to the official website to download.