



HP-HV01

Application Field

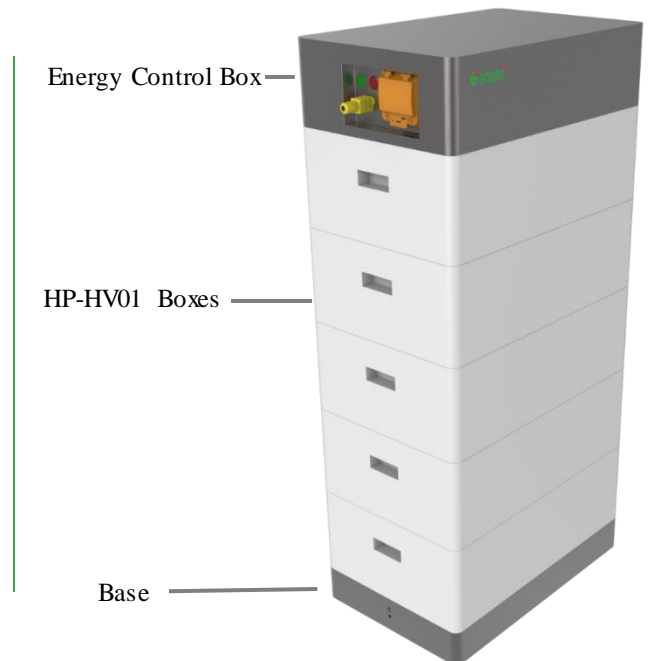
- ◆ High Electricity Price Areas
- ◆ High Subsidy Area
- ◆ Areas with Unstable Power Grids
- ◆ Small Business

HP-HV01 is a modularly expandable Lithium-ion battery storage system. The system can be built as quickly as a stack of bricks. The system is composed of brick battery packs and an energy control box. The brick battery packs are stacked one by one, and the energy control box is placed on the top of the brick battery pack, it is easy to add up all these to form an energy system for users.



HP-HV01 Series

The Battery HP-HV01 system is a 102.4 V battery with a flexible and modular design. A battery system HP-HV01 containing up to 3 to 5 battery modules connected in series and achieves from 307.2 to 512 V (available).



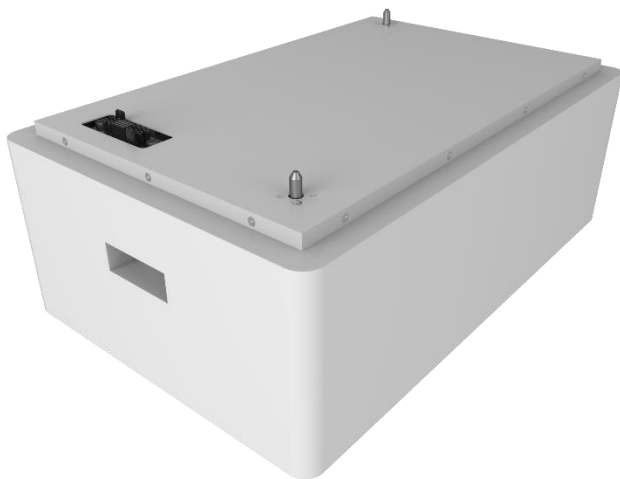
	HP-HV01 Box 3	HP-HV01 Box 4	HP-HV01 Box 5
Module	HP-HV01 Box		
Number of modules	3	4	5
Usable Energy	12.3 kWh	16.4 kWh	20.5 kWh
Max Output Power	15.36 kW	20.48 kW	25.6 kW
Round-Trip Efficiency[1]	≥96.0%		
Nominal Voltage	307.2	409.6	512
Operating Voltage Range	240~350.4	320~467.2	400~584
Communication	CAN/RS485		
Dimensions (W/H/D)	600x 845 x 390 mm	600x 1045 x 390 mm	600x 1245 x 390 mm
Weight	210 ± 3kg	270 ± 3kg	330 ± 3kg
Enclosure Protection Rating	IP65		
Warranty	5 years		
Operating temperature[2]	-5°C to +50°C		
Certification & Safety Standard	UN 38.3 / IEC62619		
Compatible Inverters	Mainstream Inverters		

[1] Test conditions: 80% DOD, 0.5C charge & discharge at + 25°C

[2] -5°C to 10°C will be derating

PRODUCT PARAMETER

HP-HV01 Box



Model	HP-HV01 Box
Nominal Capacity (kWh)	5.12
Depth of Charge	80% (Continuous) 、 100% (Max)
Usable Power (kW)	4.1 (Continuous) 、 5.12 (Max)
Operating voltage (V)	80-116.8
Nominal Voltage (V)	102.4
Charge /Discharge Current (A)	Recommend 25(0.5C) Max 50(1C)
Communication Port	CAN/RS485
Weight (Kg)	60.0±2Kg
Dimensions (W*H*D) mm	600*200*390±2mm
Operating Temperature	Charge: 0°C~+50°C Discharge: -20°C~+55°C
Recommend Operating Temperature	Charge: +15°C~+35°C Discharge: +5°C~+35°C Storage: +15°C~+35°C
Humidity	0%-95%
Altitude	≤4000m
Warranty	5 Years Product Warranty
Certificate	IEC 62619/UN38.3
Compatible Inverters	Mainstream Inverters

Energy Control Box



Model	Energy Control Box
Dimensions (W*H*D) mm	600*165*390±2mm
Communication Port	CAN/RS485