

Household Energy Storage System (HESS)



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Shoto HESS is designed as an integrated micro-grid with long cycle life and low cost Lead-Carbon batteries and PV array accessing. It can run under both islanded and grid-tied modes with outmatched quality, safety and performance. Equipped with flexible and efficient management system, HESS can be adjusted automatically according to the state of the public grid, PV, loads, batteries and electricity price, to make maximum benefit for the clients.

Products Features

- Support up to 6 HESS parallel connection.
- The operating priority can be set automatically as: PV, battery and public grid.
- Several operating mode can be set, including grid-tied, off-grid and grid-tied back-up.
- Exquisite design for premium quality, superior reliability, low cost, convenient installation and maintenance.



System parameters

Rated Output Power	4000W
PV INPUT	
Maximum PV Array Power	5000W
Nominal (Max) DC Voltage	360(580VDC)
BATTERY(Lead Carbon)	
Battery Capacity (100%DOD)	9.6kWh
Maximum Charging Current	30A
Nominal DC Voltage	48VDC
AC OUTPUT	
AC Output Voltage	220VAC
Power Factor	≥0.99
AC INPUT	
Acceptable Input Voltage Range	170-280VAC
Maximum AC Input Current	40A
Frequency Range	50/60Hz
GENERAL	
Net Weight	350kg
Dimension, H×W×D	667 mm*620 mm*550mm (battery holder)
Ingress Protection Rating	IP20 (Indoor)
Operating Temperature	0~40°C
Storage Temperature and Humidity Range	Temperature : -15 ~ 40°C Humidity: 0~90%RH

Declaration: This information is generally descriptive only and is not intended to make or imply any representation, guarantee or warranty with respect to any cells and batteries. Cell and battery designs/specifications are subject to modification without notice. Contact CHINASHOTO for the latest information.

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Passion for Storage
and Green Energy