

EnerMax-H

Household Energy Storage System



PRODUCT DESCRIPTION

The EnerMax-H household energy storage system is specially developed by COSLINK to work with household PV systems. It integrates the hybrid inverter, 48V LFP battery packs and monitoring module, etc. The system supports for up to 20kWh capacity expansion based on its modular design and provides customers a great compatibility with its supports for input from the grid, diesel generators, PV, and batteries.



APPLICATION SCENARIOS

- Newly installed PV energy storage system
- PV system retrofit for energy storage
- Off-grid power supply at weak-power areas



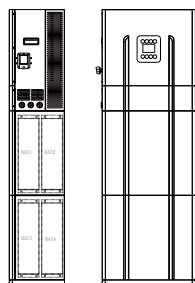
PRODUCT FEATURES

- Easy to install, saving deployment time and cost
- All-in-one and modular design, high energy density
- Flexible energy configuration options from 5kWh to 20kWh
- Support of on-grid and off-grid deployment
- Support of simultaneous input from grid, diesel generator, PV, and batteries
- Light and slim design for easy wall-mounting, reducing installing footprint
- Elegant household appliance style appearance
- Multiple communication interfaces: RS485, RS232, and CAN
- Safety certification: TUV, CE, UN38.3, etc.



Model	IS3K20	IS3.6K20	IS4K20	IS4.6K20	IS5K20	IS6K20
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Product Appearance



HNB51.2V100 installation mode

Inverter Parameters

PV Side						
Max. Input Power [W]	4600	4600	6000	7000	7000	7000
Max. Input Voltage [V]			550			
MPPT Voltage Range [V]			125-550			
Number of MPPT			2			
Max. Input Current [A]			14/14			
AC Side (On-Grid)						
Rated Output Power [W]	3000	3600	4000	4600	5000	6000
Rated Voltage [V]			230			
Voltage Range [V]			180-270			
Rated Frequency [Hz]			50/60			
Rated Output Current [A]	13	16	17.4	20	21.7	26
AC Side (Off-Grid)						
Rated Output Power [W]	3000	3600	4000	4600	5000	6000
Rated Voltage [A]			230			
Voltage Range			< 2%			
Rated Frequency [Hz]			50/60			
Rated Output Current [A]	13	16	17.4	20	21.7	26

Pack Parameters

Model	HNB51.2V100
Number of Batteries	4
Battery Type (Max.)	LFP
Rated Voltage [V]	51.2
Rated Capacity [Ah]	100
Max. Charge & Discharge Current [A]	100/100
Dimensions [W*D*H, mm]	442*460*130
Weight [kg]	45

System Parameters

IP Grade	IP20
Working Temperature Range [°C]	0 to +45
Humidity	5%-95% RH (non-condensing)
Dimensions [W*D*H, mm]	580*350*1710
Weight [kg]	70 (battery excluded)
Hybrid Inverter Certification	IEC62109-1&-2, IEC61683, IEC61727, IEC62116
Battery Certification	UN38.3, MSDS, IEC62619, CE

Note: 5/10/15kWh can be flexibly configured as required; the above information may subject to update without prior notice.

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