

# EnerMax-H

## Household Low-Voltage Li-on Battery Pack

### PRODUCT DESCRIPTION

The EnerMax-H Household Low-Voltage Li-on Battery Pack is specially developed by COSLINK to work with household PV systems. It takes lithium iron phosphate cells as the core and is equipped with a high-performance battery management system (BMS), which ensures improved system safety, high energy density and long cycle life. Based on the application requirements of household energy storage batteries, the product is uniquely designed and innovated in compatibility, energy density, power density, safety, operability and product appearance, bringing an excellent user experience.

### APPLICATION SCENARIOS

- Newly installed PV-energy storage system
- PV system retrofit for energy storage
- Application in off-grid or no-power areas

### PRODUCT FEATURES

- More than 15 years of designed lifetime
- Modular design, high energy density
- Integrated oil-damped DC circuit breaker, more convenient and safer to operate
- Support for parallel-connection operation
- Support for continuous maximum 1C charge and discharge
- Allowing for front panel operation and wiring for easy installation and maintenance
- Various communication interfaces: RS485, RS232, and CAN
- Highly compatible BMS (with the protocol compatible with well-known branded energy storage inverters)
- Safety certification: TUV, CE, UN38.3, etc.



Model	HNB51.2V50	HNB51.2V100	
Electrical Parameters	Rated Energy [kWh]	2.56	5.12
	Usable Energy [kWh]	2.3	4.6
	Rated Capacity [Ah]	50	100
	Rated Voltage [V]	51.2	
	Working Voltage [V]	44.8-57.6	
	Max. Continuous Charging Current [A]	50	100
	Max. Continuous Discharging Current [A]	50	100
	Cycle Life	80% DOD, >4000 times, SOC >80%	
	Parallel Connection	Up to 16 packs	
	Communication	RS485/RS232/CAN 2.0	
Protection	Overvoltage, undervoltage, overtemperature, low temperature, overcurrent, and short circuit		
Circuit Breaker	Oil damped DC circuit breaker		
Other	Installation	Indoor	
	Working Temperature Range [°C]	-10 to +50	
	Optimal Working Temperature Range [°C]	20 to 30	
	Storage Temperature [°C]	-30 to +60	
	IP Grade	IP20	
	Working Humidity	5%~95% RH (non-condensing)	
	Altitude [m]	≤ 2000	
	Heat Dissipation	Natural cooling	
	Dimensions [W*D*H, mm]	442*400*88 (withouth hanging ears)	442*460*130 (withouth hanging ears)
	Weight [kg]	26	45
Certification	TUV, CE, and UN38.3	TUV, CE, and UN38.3	

Note: The above information may subject to update without prior notice.