

Enerlution Power Technology Co.,Ltd is a professional manufacturer specializing in energy storage systems with over ten years of experience in R&D, and manufacturing and has achieved more than 200 patents. We independently develop and produce EMS and BMS and the product performance has reached an internationally leading level through iterative upgrades in software and hardware. The BESS products are characterized by high power output, safety, reliability, and environmental friendliness. Enerlution has also established a leading position in exterior design, product performance, system integration, and intelligence in this industry. The household energy storage products have been mass-produced and sold globally. We offer flexible customization options for our customers globally. Products include household and Industrial & Commercial ESS solutions, all in one system, MPPT controllers, PCS, and complete sets of photovoltaic off-grid, grid-connected or hybrid grid combination systems.



### Enerlution Power Technology Co., Ltd.

合肥华宇智航动力能源有限公司



Phone: +86 17206181494  
Email: susan@enerlution.com.cn  
Address: No. 33, Qiujia Road, Baiyan Science and Technology Park, High-tech Zone, Hefei, China.



### HYESS-30-48-OM HYESS-30-60-OM Minor Power Station on/off-grid Energy Storage System

#### Product advantages

- 1.Integrated solar energy storage
- 2.4-hour backup power
- 3.Outdoor installation
- 4.Remote operation and maintenance
- 5.Built-in multiple operating modes

Category	Project	Model					
		3032	3040	3048	3064	3075	3086
Battery	Cell Type	LFP					
	Battery Capacity (kWh)	32.256	40.32	48.384	64.512	75.264	86.016
	Voltage Range (V)	273.6~340.8	273.6~340.8	342~426	410.4~511.2	319.2~397.6	364.8~454.4
	Maximum Charge/Discharge Current (A)	52.5				97	83
	Maximum Charge/Discharge Power (kW)	16	20	24	30		
	Cycle Life (80% $\leq$ 85% DOD)	≥6000					
Photovoltaic (pv) Interface	Maximum DC Input Voltage (V)	850					
	MPPT Operating Voltage Range (V)	150~550					
	Maximum Input Current (A)	100					
	Maximum DC Input Power (kW)	30					
AC side	Rated Input Power (kW)	30					
	Input Type	Three-phase, five-wire					
	Rated Voltage (Vac)	380±15%					
	Rated Current (A)	45					
	Rated Frequency and Range (Hz)	50/60					
	System Maximum Net Weight (kg)	650	700	750	870	950	1030
Other	System Dimensions (mm)	1220×860×1850					
	Protection Level	IP54					
	Operating Temperature	-10~45℃					
	Relative Humidity	0~95%					
	Operating Altitude	< 2000m					
	Temperature Control Method	Liquid cooling					
	Fire Protection	FM200					



### HYESS-10-40-OM Minor Power Station on/off-grid Energy Storage System

#### Product advantages

- 1.Integrated solar energy storage
- 2.4-hour backup power
- 3.Outdoor installation
- 4.Remote operation and maintenance
- 5.Built-in multiple operating modes



Battery	Battery Type	LFP
	Battery Capacity (kWh)	40.3
	Voltage Range (V)	342-426
	Maximum Charge/Discharge Current (A)	26
Photovoltaic Interface	Maximum Charge/Discharge Power (kW)	10
	MPPT Operating Voltage Range (V)	430-850
	Maximum Input Current (A)	13
	Maximum DC Input Power (kW)	13
AC grid Connection	Maximum Output Current (A)	15.8
	Maximum Power (kW)	10
	Rated Output Voltage (V)	400V, 3W+N+PE
	Rated Frequency (Hz)	50Hz/60Hz
AC off-grid	Rated Output Power (VA)	10000
	Maximum Output Power (VA)	11000
	Rated Output Voltage (V)	400V, 3W+N+PE
	Rated Frequency (Hz)	50Hz/60Hz
General Parameters	Human-Machine Interaction	Control panel
	Meter Communication Interface	RS485
	Protection Level	IP54
	Operating Temperature	-20~55°C
	Temperature Control Method	Air conditioner

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### BCH-100230 230kWh Liquid-cooled Energy Storage Cabinet

#### Product advantages



- 1.The highly integrated ESS, fully pre-assembled, facilitates transportation, on-site installation, and operational maintenance.
- 2.Independently developed EMS supporting 5 application scenarios, with one-button selection for 8 operational modes.
- 3.Modular design supporting 2-10 parallel units, facilitating system expansion.
- 4.Secondary fire protection for cabinet and PACK, automotive-grade software for thermal runaway warning.
- 5.IP65 protection for battery compartment, IP54 for electrical compartment in outdoor cabinet design, optional C5 anti-corrosion level.
- 6.Active disconnection protection for both AC and DC.
- 7.Rapid status monitoring and fault recording enabling early warning and fault localization, integrating battery performance monitoring and recording.

Battery Parameter	
Cell Type	LiFePO4
Cell Specification	3.2V/100Ah
System Configuration	3P240S
Rated Capacity	230.4kWh
Voltage Range	684~852V
AC Parameters(on-grid)	
Rated Output Power	100kW
Rated Output Current	145A
AC Connection Method	Three phase four wire system
Grid Voltage Range	400V (-20%~+15%)
Grid Frequency Range	50Hz/60Hz±2.5Hz
AC Parameters(off-grid)	
AC off-grid Voltage	AC400V
AC Voltage Range	AC400V±3%
AC off-grid Frequency	50Hz/60Hz
Unbalanced Load Capability	100%
General Parameters	
Size(W*H*D)	1450*2370*1260mm
Max Weight	≤3000kg
Operating Temperature Range	-20°C~50°C
Working Altitude	< 2000m
Temperature Control Method	Battery: Liquid cooling; Electrical compartment: wind cooling
Noise Level	< 75db



### ERD576-05C172 172kWh Liquid-cooled Energy Storage Cabinet

#### Product advantages

- 1.Outdoor installation, simple configuration
- 2.Support for parallel expansion
- 3.Built-in multiple operating modes
- 4.Remote operation and maintenance
- 5.Flexible deployment



Cell Parameters	
Cell Model	IPF27175200A-100Ah
Cell Type	LFP
Nominal Voltage	3.2V
Nominal Capacity	100Ah
Cycle Life	≥6000 (@25°C, 80%EOL)
Battery Cluster Parameters	
Configuration	3P180S
Rated Capacity	300Ah
Rated Energy	172.8kWh
Nominal Voltage	576V
Temperature Control Method	Liquid Cooling
Operating Voltage Range	513~657V
Protection Level	IP67
Maximum Discharge Current	200A
General Parameters	
Size (W*H*D)	910*2320*1260mm
Max Weight	≤2000kg
Operating Temperature	-20~50°C
Communication	CAN/RS485
Dry Contacts	4 channels

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### HY3MW-BESS Liquid-cooled Energy Storage Container

#### Product Advantages

- 1.High safety
- 2.Intelligent and efficient: intelligent warning, monitoring, operation, and maintenance.
- 3.High energy density, low energy consumption, long lifespan, low maintenance costs, standard modular design.
- 4.Pre-installed integrated design



Nominal Energy	3421KWh
Available Energy	3199KWh (0.5P@25°C, 100%DOD)
Nominal Voltage on DC Side	1267.2V
DC Voltage Range	1108.8~1425.6Vdc
Nominal Charge/Discharge Current	1350A
Cycle Life	> 6000 (0.5P@ 90%DOD)
Operating Temperature	-30°C ~ 45°C
IP Protection	IP54
Dimensions	6058×2438×2896mm
Weight	37t
Communication Interface	RS485/CAN/Ethernet
Communication Protocol	Modbus



### BRH-1C40k Rack-mounted Energy Storage Battery

#### Product Advantages

- 1.Power configuration can be expanded from 5.22kWh to 62.64kWh.
- 2.Modular design for easy installation and operation.
- 3.Equipped with a specially designed BMS,three-level overcurrent protection.
- 4.RS485/CAN communication compatible with mainstream inverter brands.
- 5.90% depth of discharge, exceeding 6000 cycles (0.5C @25°C).

Cell Parameters	
Cell Type	LFP
Nominal Voltage	3.2V
Nominal Capacity	102Ah
Cycle Life	≥6000 (@25°C, 80%EOL)
Battery Module Parameters	
Configuration	1P16S
Rated Capacity	102Ah
Rated Energy	5.24kWh
Nominal Voltage	51.2V
Operating Voltage Range	45.6~56.8V
Max Discharge Current	100A
General Parameters	
Module Combination Quantity	4~12pcs
Max Expansion Size (W*H*D)	500*2405*560mm
Operating Temperature	0~50°C
Working Altitude	< 2000m
Fire Protection System	Passive (high-temperature triggered)
Fire Extinguishing Agent	Thermal aerosol
Local Display	Yes

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