

Enerlution

E n e r l u t i o n E n e r g y T e c h n o l o g y C o . , L t d .


www.enerlution.com.cn



Enerlution Hybrid Inverter




8-15KW Three phase




Peak Efficiency

98.2 %




Max. DC Overload


50 %




Aluminum Alloy Die Casting



MES + FCT + CRM Infrastructure



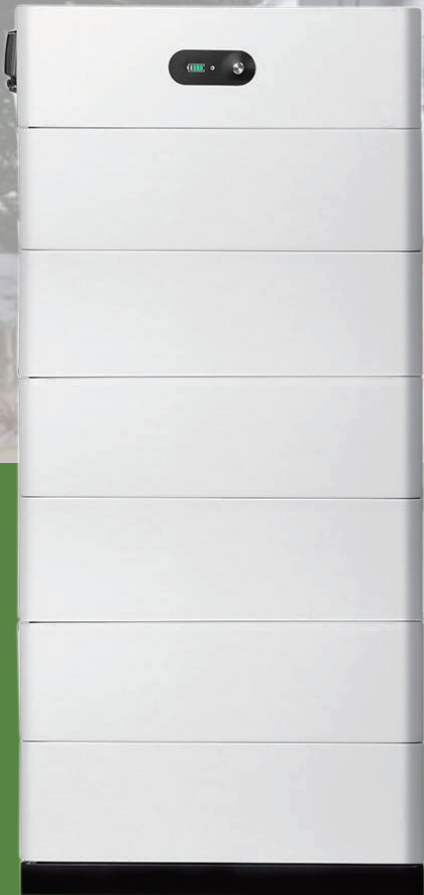
Easy to Install and Service



Energy Management

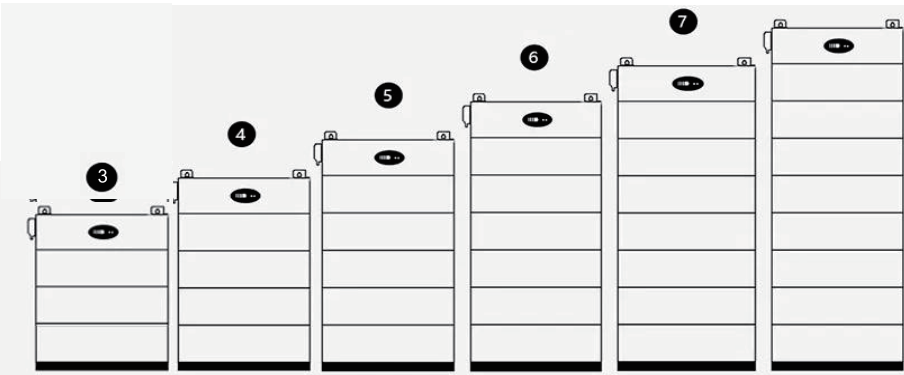
Enerlution EC Three phase	HYTH-8000	HYTH-10000	HYTH-12000	HYTH-15000	Units
DC Input (from PV)					
Max. PV Power	12000	15000	18000	18000	W
Max. DC input voltage	1000				V
Nominal DC input voltage	620				V
Start-up voltage	145				V
MPPT voltage range	150-850				V
Number of MPPT. trackers	2/(1/1)				
Max.DC input current	15/15		15/15	30/15	A
AC Output (on-grid)					
Rated Power	8000	10000	12000	15000	V
Max.Charging/Discharging Current	23	23	29	29	
Max. Apparent Power from Grid	16500		20000	22000	VA
Efficiency					
Max. efficiency	98.2%		98.2%	98.5%	
European efficiency	97.3%	97.4%	97.4%	97.5%	
Battery Charging/Discharging Efficiency	98.5%				
AC Output(backup)					
Peak output power	15000				VA
Nominal output voltage	380/ 400				
Nominal output frequency	50/60				
Nominal output current	13.5	16	20	20	A
Switching time	<10				ms
Battery connection					
Battery module models	GroundHV-2500				kWh
Battery voltage range	160-800				VA
Protection					
Anti-Islanding Protection, PV String Input Reverse Polarity Protection, Insulation Resistance Detection, Residual Current Monitoring, Output Over Current Protection, Output Short Circuit Protection, Over Voltage Protection, Surge Protection: DC: Type II / AC: Type II, Battery Reverse Polarity Protection					
General Data					
Dimensions(W / H / D)	425*351*200				mm
Weight	20	20		23	KG
Operating temperature range	- 25 to 60				
Relative humidity range	0 - 100 %				
Max.Operating altitude	2000 (>2000 Derating)				
Cooling	Natural Cooling	Natural Cooling		Smart Cooling Concept	
System ingress protection rating	IP65				
Communication	RS485, CAN, Wi-Fi, LAN, 4G				
Standard Compliance					
EN IEC 61000, EN 62109, EN50549, VDE 4105, TUV Mark, CEI 021					

Enerlution



- Large cell capacity, high voltage & durable
- Multi-layer full battery safety protection
- Visible battery status on Enerlution App
- Quick connectors for fast installation
- Heat module for heating battery automaticlly at low tempertaure.

Enerlution Battery	GroundHV-2500	Units
Performance Specification		
Battery type	LifePO4	
Total Energy Capacity	2.496	kWh
Battery modules voltage range (Three phase system)	144-384	V
Max.charge /discharge current	35A	
General Data		
Weight	23.5	kg
Dimensions(L / W / H)	606×220×170	mm
Storage Temperature(°C)	-20~+35	°C
Working Temperature	Charge: 0~+55, Discharge: -20~+55	°C
Max. operating altitude	2000	m
Cooling	Natural convection	
System ingress protection rating	IP65	
Installation method	Floor standing	
Standard Compliance		
Standard	IEC/EN 61000, IEC62040, MSDS, UN38.3, IEC/EN 62619, CEI-021,PSE,UKCA	



Number of battery modules**	3	4	5	6	7	8
Total energy capacity(kWh)	7.48	9.98	12.48	14.98	17.47	19.97
Max.charge/discharge power(KW)	5.0	6.7	8.4	10	11.8	13.4
Total height (with base/ mm)	730	900	1070	1240	1410	1580
Total width	610					
Total depth (with installed rack/ mm)	220					

• * Test conditions:95% depth of discharge, 0.5C rate charge & discharge averagely at 25°C

• ** The data in the table is based on the combination of GroundHV-2500 as an example, with a ground mounted installation.



GH02-5324

15kWh / 21kWh / 26kWh / 31kWh / 37kWh / 42kWh



Smart O&M

Check the APP to find data on your phone.Remote diagnosis and OTA.



Expansion Flexibility

5kWh modular design ,Scalable from 15kWh to 42kWh.



Easy Installation

52kg/105.8lb per battery box,easy to move and install.Quick connector between boxes,no cable connecting.



Safe & Reliable

Lithium Iron Phosphate(LFP) cell only. BMS, fuse and aerosol kit are built in.



Environmental Adaptability



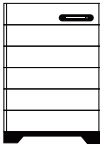

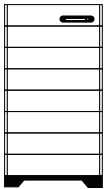

Wider temperature range: -20°C~+55°C. Adaptable for Various Applications..



Long Lifespan

More than 15 years More than 15 years designed lifespan, more than 6000 cycles (0.5C, 25°C)

Technical Specification

Model	GH02-15K	GH02-21K	GH02-26K	GH02-31K	GH02-37K	GH02-42K
Technical Specification						
Performance Specification						
Nominal Voltage (V)	153.6	204.8	256	307.2	358.4	409.6
Connection	2P48S	2P64S	2P80S	2P96S	2P112S	2P128S
Voltage Working Range (V)	114.7-159.7	153V-213	191.2-266.2	230-319	267.7-372.7	306-426
Rated Energy (kWh)	15.974	21.299	26.624	31.949	37.274	42.598
Dimensions (W*H*D) (mm)	670*645*396	670*800*396	670*955*396	670*1110*396	970*1265*396	670*1420*396
General Data						
Capacity	104Ah					
Max.Discharge	50A					
Charge Current	50A					
Battery Type	LiFePO4					
Installation	Ground-mounted					
Protection Level	IP65					
Cycle Life	>6000 @ 25°C, 0.5C, 90%DOD					
Transportation SOC	30%					
Working Temperature	Charge: 0°C~+50°C Discharge: -20°C~+55°C					
Storage Temperature	-20°C~+35°C					
Communication	CAN / RS485					
Standard Compliance						
Standard	IEC 62619, EN/IEC 61000-6-1&-6-3, UN38.3, RoHS, REACH, CEI 0-21					