

## PERFORMANCE SPECIFICATIONS

# EL-HS Series



## PRODUCT INTRODUCTION

EL-HS Series, a High-voltage lithium battery. With a scalable modular design, the capacity range can be expanded from 10.24kWh to 25.6kWh. The installation and maintenance is easier and faster with free of cables between modules. Long life technology ensures more than 6000 cycles with 90% DOD.

### Convenient

Stackable & compact design,  
ease of installation

### Scalable

Use of Series connection  
from 2 to 5 modules

### Compatible

Compatible with multiple inverters  
Multiple communication  
interfaces RS232, RS485, CAN

### Sufficient

High energy density,  
110Wh/kg

### Compliant

IP65 Protection,  
indoor or outdoor application

### Safe

Multiple protection  
LiFePO4 material, safe and long life

## PERFORMANCE SPECIFICATIONS

Model	EL-HS 02	EL-HS 03	EL-HS 04	EL-HS 05
Nominal Voltage	204.8V(64series)	307.2V(96series)	409.6V(128series)	512V(160series)
Cell model/Configuration	3.2V 50Ah(ANC)/32S1P			
Capacity(Ah)	50AH			
Rated Energy(KWH)	10KWH	15KWH	20KWH	25KWH
Usable Energy(KWH)	4.6KWH/Unit			
Max. Charge/Discharge Current(A)	25A /50A			
Voltage Range(Vdc)	180-228V	270-340V	350-450V	440-560V
Scalability	Up to 3 parallel			
Communication	RS232-PC,RS485-Inverter,CANbus-Inverter			
Cycle Life	≥6000cycles@25°C, 90% DOD, 60%EOL			
Design Life	≥15 Years(25°C)			

## MECHANICAL SPECIFICATIONS

Weight(Approx)(KG)	Approx:130kg	Approx:180kg	Approx:230kg	Approx:280kg
Dimension (W/D/H)(mm)	630*185*950 mm	630*185*1290mm	630*185*1640 mm	630*185*1980mm
Installation Mode	Stack			
IP Grade	IP65			

## SECURITY AND CERTIFICATION

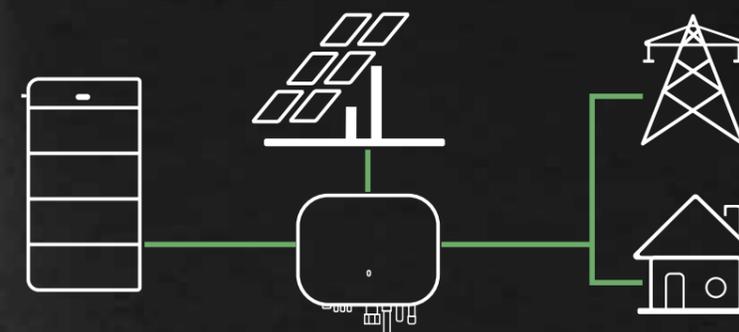
Safety(Pack)	UN38.3,MSDS,IEC62619(CB),CE-EMC,UL1973
Safety(Cell)	UN38.3,MSDS,IEC62619,CE,UL1973,UL2054
Protection	BMS, Breaker

## ENVIRONMENTAL SPECIFICATIONS

Operating Temperature(°C)	Charge:-10°C~50°C; Discharge: -20°C-50°C
Altitude (m)	≤2000
Humidity	≤95%(Non-condensing)

\*Text and images correspond to the current state of technology at the time of printing. Subject to modification

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- High security technology ensures stable and excellent performance.
- Compatible with multiple inverters including Goodwe Growatt Sermatec DEYE Solis MEGAREVO.
- It provides highly efficient energy solutions for household scenarios and small commercial scenarios.