

HEGA-ENERGY Series

Energy Pod



Uhome-LFP
4.8 kWh*1



Uhome-LFP
4.8 kWh*2



Uhome-LFP
4.8 kWh*3



Uhome-LFP
4.8 kWh*4

Key Features

- Visual interface, real-time monitoring of product status
- User data security
- Remote software program update, fault diagnosis
- Easy installation
- High energy density

10
Years

Warranty

90%

Max.recommended DOD

>15
Years

Life Span

< 95%

Humidity(No condensed water)



HEGATECH 4.8-19.2 kWh AC

Technical Specifications				
Nominal Capacity	4.8kWh	9.6kWh	14.4kWh	19.2kWh
Size (L × W ×H) (mm)	650x300x475	650x300x740	650x300x1005	650x300x1270
Weight	46kg	84kg	122kg	160kg
Maximum Usable Capacity	4.32kWh	8.64kWh	12.96kWh	17.28kWh
Rated Discharge/ Charge Current	60A	120A	180A	200A
Nominal Dis-/ Charge Power	2.8kW	5.6kW	8.4kW	9.6kW
Parallel Peak Power(Only Discharge)	4.8kW for 3s	9.6kW for 3s	14.4kW for 3s	16.0kW for 3s
Series Peak Power(Only Discharge)	4.8kW for 3s	9.6kW for 3s	14.4kW for 3s	16.0kW for 3s
Nominal Battery Operating Voltage(In Series)	45~52.5Vd.c	90~105Vd.c	135~175.5Vd.c	180~210Vd.c
Voltage(In parallel)	45~52.5Vd.c			
Nominal Battery Operating Voltage(In parallel)	48V			
Max. Battery Voltage	54V			
Max.recommended DOD	90%			
Operating Condition	Indoor or outdoor			
Discharge Temperature	From -10~55C			
Charge Temperature	From 0~50 C			
WIFI Frequency Range	2400MHz~2483MHz			
Humidity	<95%(No condensed water)			
IP rating	IP 65			
Cooling Type	Natural cooling			
Case Material	Aluminium alloy			
Efficiency	≥96%			
Protective Class	I			
Max. Number of Series or Parallel	8S/8P			
Warranty	10 years			
Life Span	>15 years			
Communication	CAN/ RS485			
Battery Protection	Over-current/Over-voltage/Short circuit/ Under-voltage/Over temperature/Low temperature			
Hazardous Material classification	9			
Certifications	CE/UL 1973/IEC 62619/IEC62477/IEC 62040/MSDS/UN 38.3			

Testing conditions based on temperature 25 °C at the beginning of life.

*Total Energy/Usable Energy measured under specific conditions from 0.2C CC-CV