



01

# Energy storage battery



Model:

## HS-BG5000W-A5

Rated Voltage: 51.2V

Rated Capacity: 100Ah

Rated Energy: 5120Wh

Voltage Range: 44.8-56V

Charge Voltage Range: 56-57.6V

Cut-off Voltage: 44.8V

Recommend Charge Current: 50A

Max Charge Current: 100A

Max Discharge Current: 100A

DimensionL\*W\*H: 460\*164\*612mm

Weight:  $\approx$ 49.3kg

Communication Port: RS485、CAN

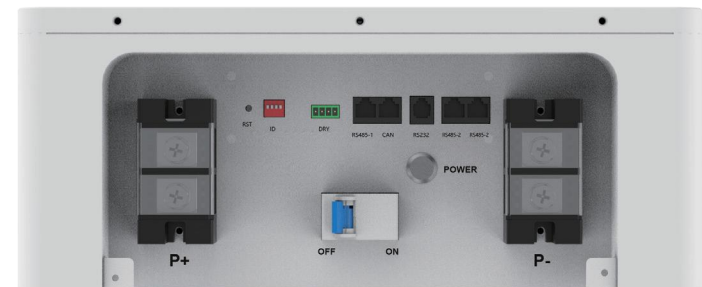
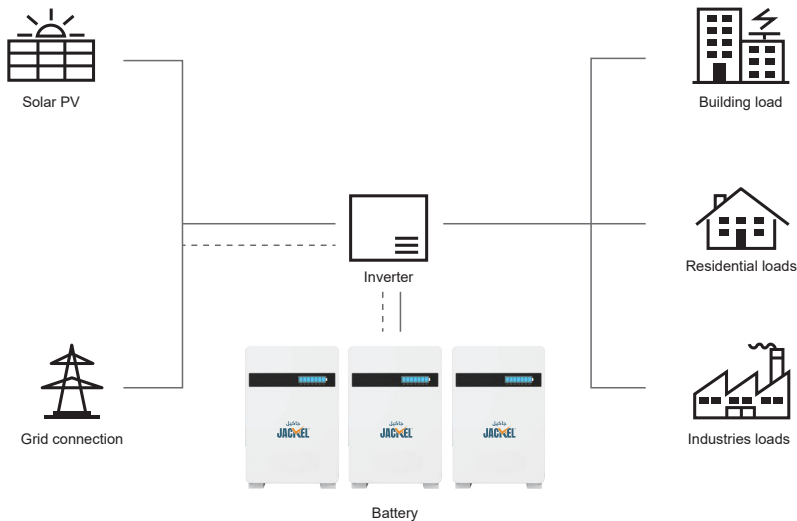
Display: LED+LCD

Terminal: M8

Cycle Life: >6000 (0.5C@ 25°C, 80% DOD)

Compatible inverter: Growatt, Goodwe, Sol-Ark, SRNE, DEYE

Certificate: CE,FCC,RoHs,MSDS,UN38.3



Model:

## HS-BG10KW-A2

Rated Voltage: 51.2V

Rated Capacity: 200Ah

Rated Energy: 10240Wh

Voltage Range: 44.8-56V

Charge Voltage Range: 56-57.6V

Cut-off Voltage: 44.8V

Recommend Charge Current: 100A

Max Charge Current: 200A

Max Discharge Current: 200A

DimensionL\*W\*H: 430\*164\*960mm

Weight:  $\approx$ 85.9kg

Communication Port: RS485、CAN

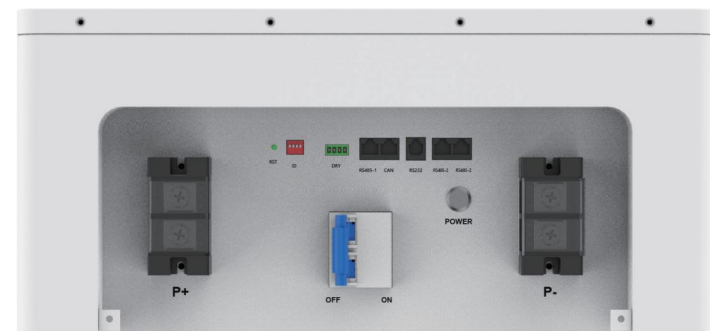
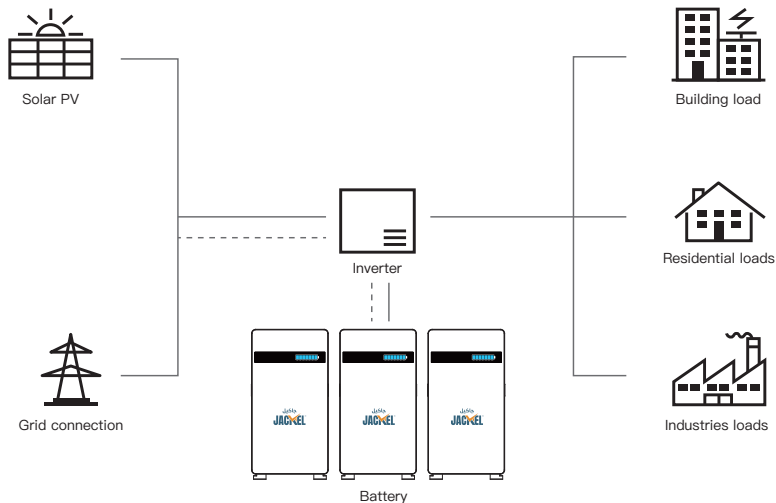
Display: LED+LCD

Terminal: M8

Cycle Life: >6000 (0.5C@ 25°C, 80% DOD)

Compatible inverter: Growatt, Goodwe, Sol-Ark, SRNE, DEYE

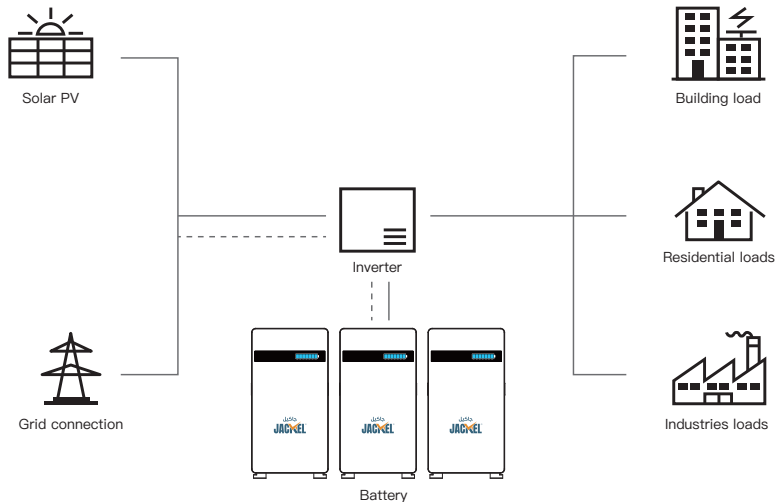
Certificate: CE, FCC, RoHS, MSDS, UN38.3



## Model: **HS-LD15KW-A3**

Rated Voltage: 51.2V  
Rated Capacity: 280Ah  
Rated Energy: 14336Wh  
Voltage Range: 44.8-56V  
Charge Voltage Range: 56-57.6V  
Cut-off Voltage: 44.8V  
Recommend Charge Current: 100A  
Max Charge Current: 200A  
Max Discharge Current: 200A

Dimension L\*W\*H: 500\*230\*780(Without base)  
Weight:  $\approx$  117.5kg  
Communication Port: RS485、CAN  
Display: LED+LCD  
Terminal: M8  
Cycle Life: >6000 (0.5C@ 25°C, 80% DOD)  
Compatible inverter: Growatt, Goodwe, Sol-Ark, SRNE, DEYE  
Certificate: CE, FCC, RoHS, MSDS, UN38.3



Model:

## HS-BG5000W-A6

Rated Voltage: 51.2V

Rated Capacity: 100Ah

Rated Energy: 5120Wh

Voltage Range: 44.8-56V

Charge Voltage Range: 56-57.6V

Cut-off Voltage: 44.8V

Recommend Charge Current: 50A

Max Charge Current: 100A

Max Discharge Current: 100A

Dimension L\*W\*H: 400\*165\*670(Without base)

Weight:  $\approx$ 49.3kg

Communication Port: RS485、CAN

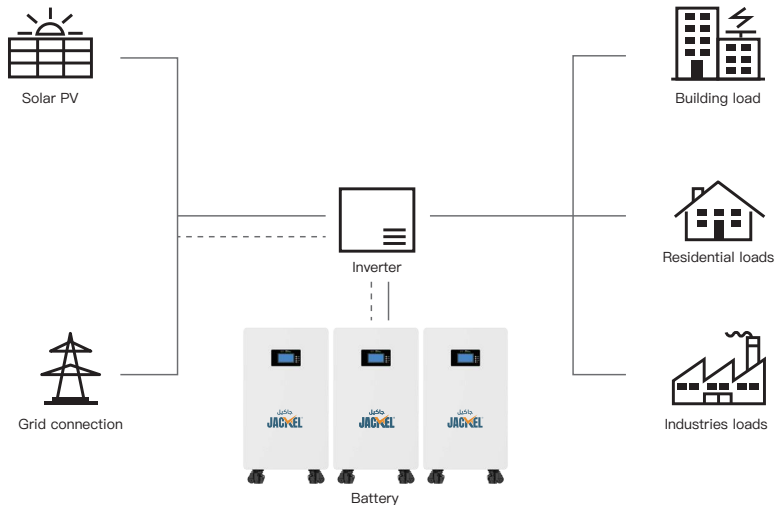
Display: LED+LCD

Terminal: M8

Cycle Life: >6000 (0.5C@ 25°C, 80% DOD)

Compatible inverter: Growatt, Goodwe, Sol-Ark, SRNE, DEYE

Certificate: CE, FCC, RoHS, MSDS, UN38.3



## Model: **HS-BG10KW-A5**

Rated Voltage: 51.2V

Rated Capacity: 200Ah

Rated Energy: 10240Wh

Voltage Range: 44.8-56V

Charge Voltage Range: 56-57.6V

Cut-off Voltage: 44.8V

Recommend Charge Current: 100A

Max Charge Current: 200A

Max Discharge Current: 200A

DimensionL\*W\*H: 418\*228\*670(Without base)

Weight:  $\approx$  89.2kg

Communication Port: RS485、CAN

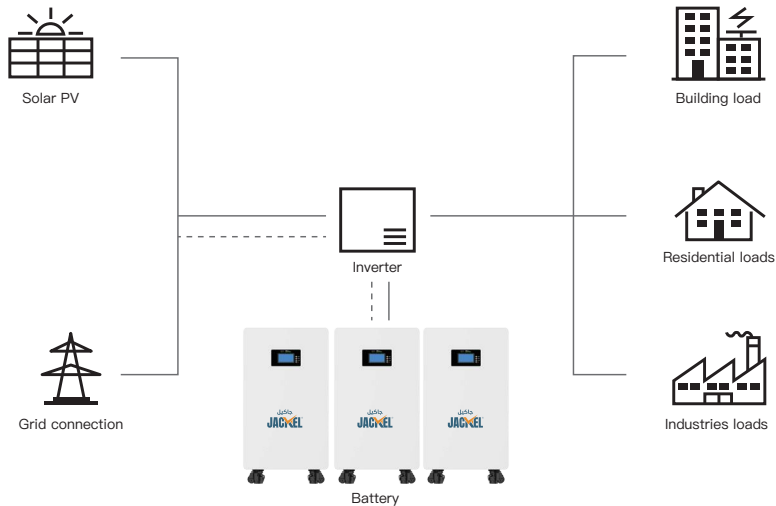
Display: LED+LCD

Terminal: M8

Cycle Life: >6000 (0.5C@ 25°C, 80% DOD)

Compatible inverter: Growatt, Goodwe, Sol-Ark, SRNE, DEYE

Certificate: CE, FCC, RoHS, MSDS, UN38.3



Model:

## HS-LD15KW-A2

Rated Voltage: 51.2V

Rated Capacity: 305Ah

Rated Energy: 15616Wh

Voltage Range: 44.8-56V

Charge Voltage Range: 56-57.6V

Cut-off Voltage: 44.8V

Recommend Charge Current: 100A

Max Charge Current: 200A

Max Discharge Current: 200A

Dimension L\*W\*H: 500\*233\*810(Without base)

Weight:  $\approx$  117.5kg

Communication Port: RS485、CAN

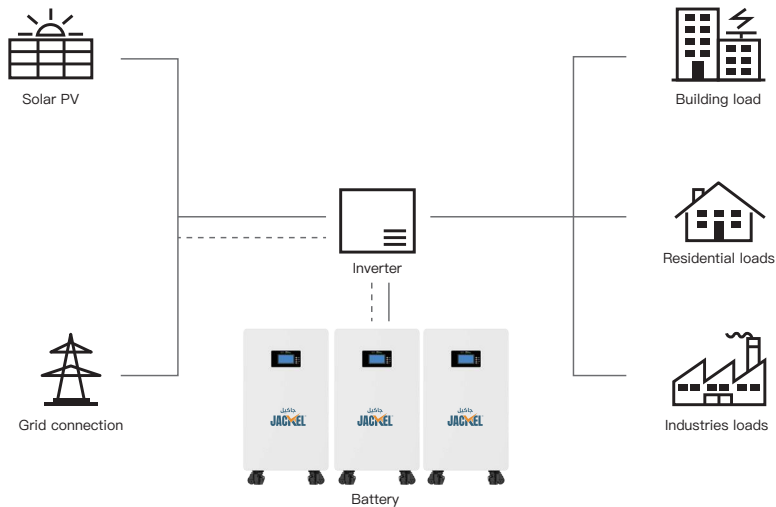
Display: LED+LCD

Terminal: M8

Cycle Life: >6000 (0.5C@ 25°C, 80% DOD)

Compatible inverter: Growatt, Goodwe, Sol-Ark, SRNE, DEYE

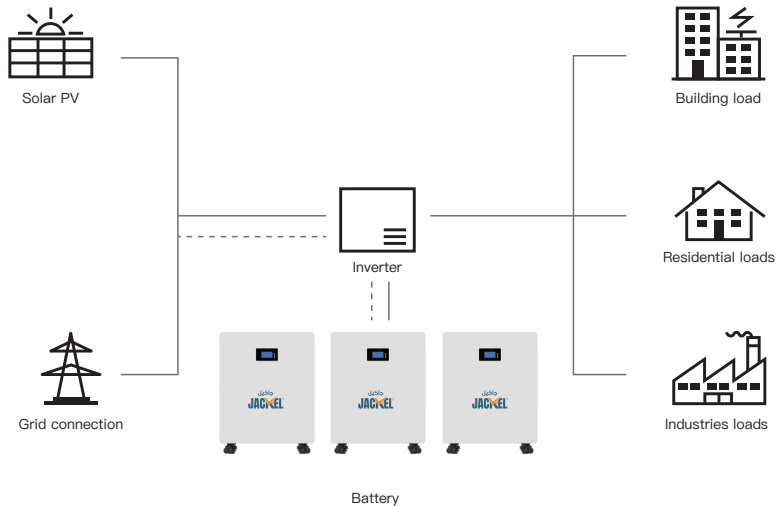
Certificate: CE, FCC, RoHS, MSDS, UN38.3



## Model: **HS-LD20KW**

Rated Voltage: 51.2V  
Rated Capacity: 400Ah  
Rated Energy: 20480Wh  
Voltage Range: 44.8-56V  
Charge Voltage Range: 56-57.6V  
Cut-off Voltage: 44.8V  
Recommend Charge Current: 100A  
Max Charge Current: 200A  
Max Discharge Current: 200A

Dimension L\*W\*H: 600\*300\*702(Without base)  
Weight:  $\approx$  165kg  
Communication Port: RS485、CAN  
Display: LED+LCD  
Terminal: M8  
Cycle Life: >6000 (0.5C@ 25°C, 80% DOD)  
Compatible inverter: Growatt, Goodwe, Sol-Ark, SRNE, DEYE  
Certificate: CE, FCC, RoHS, MSDS, UN38.3



Model:

## HS-LD30KW

Rated Voltage: 51.2V

Rated Capacity: 600Ah

Rated Energy: 30720Wh

Voltage Range: 44.8-56V

Charge Voltage Range: 56-57.6V

Cut-off Voltage: 44.8V

Recommend Charge Current: 100A

Max Charge Current: 200A

Max Discharge Current: 200A

Dimension L\*W\*H: 680\*300\*1130(Without base)

Weight:  $\approx$ 200kg

Communication Port: RS485、CAN

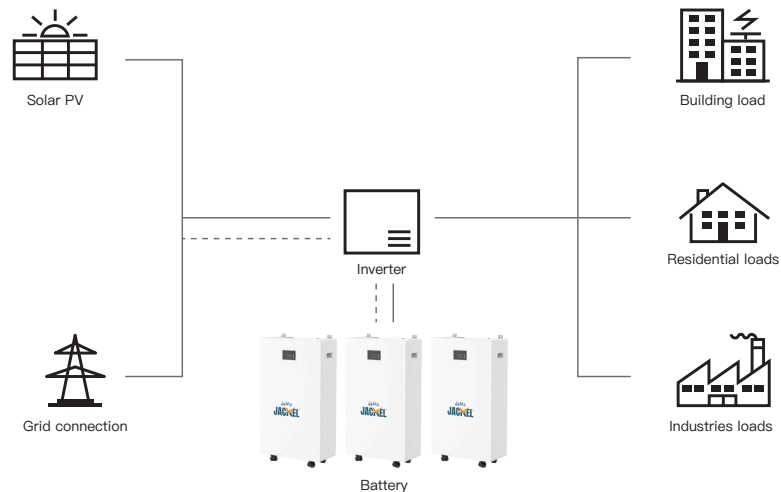
Display: LED+LCD

Terminal: M8

Cycle Life: >6000 (0.5C@ 25°C, 80% DOD)

Compatible inverter: Growatt, Goodwe, Sol-Ark, SRNE, DEYE

Certificate: CE, FCC, RoHs, MSDS, UN38.3



Model:

## HS-LD12.8V280Ah

Rated Voltage: 12.8V

Rated Capacity: 280Ah

Rated Energy: 3584Wh

Recommended Charge Current: 40A

Maximum Charge Current: 75A

Recommended Charge Voltage: 14.6V

Continuous Discharge Current: 75A

Maximum continuous Discharge Current: 150A

Discharge Cut-Off Voltage: 10V

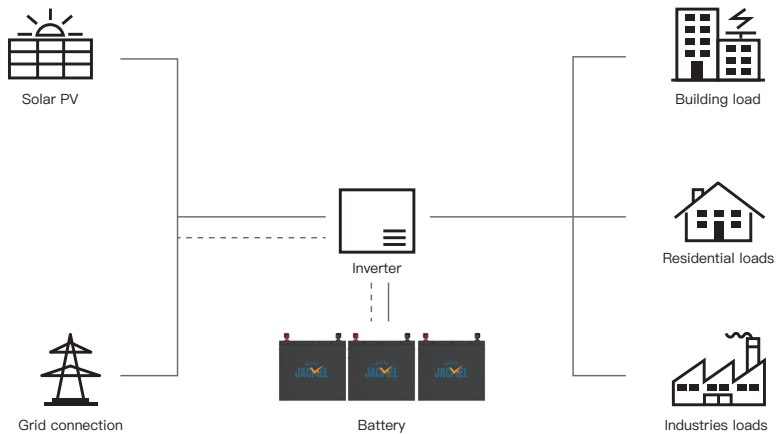
Dimension: L316\*W195\*H293mm

Weight:  $\approx$  26.5kg

Terminal Type: M8

Cycle Life: >6000 (0.5C@ 25°C, 80% DOD)

Certificate: CE,FCC,RoHS,MSDS,UN38.3



Model:

## HS-LD25.6V280Ah

Rated Voltage: 25.6V

Rated Capacity: 280Ah

Rated Energy: 7168Wh

Recommended Charge Current: 40A

Maximum Charge Current: 75A

Recommended Charge Voltage: 29.2V

Continuous Discharge Current: 75A

Maximum continuous Discharge Current: 150A

Discharge Cut-Off Voltage: 20V

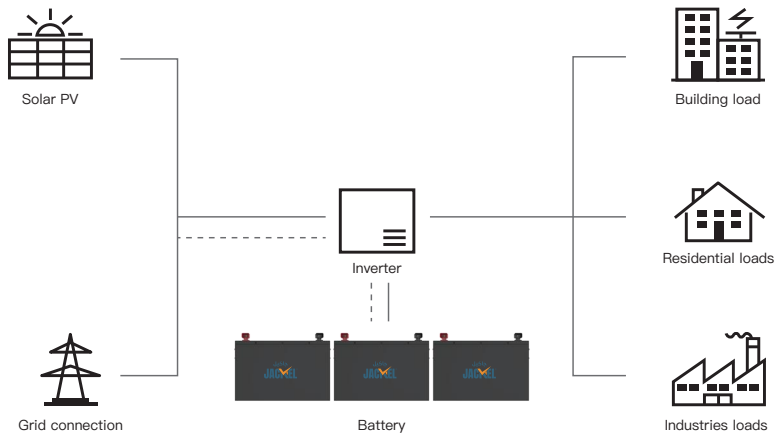
Dimension: L464\*W273.4\*H293mm

Weight:  $\approx$  51.8kg

Terminal Type: M8

Cycle Life: >6000 (0.5C@ 25°C, 80% DOD)

Certificate: CE,FCC,RoHS,MSDS,UN38.3



Model:  
**HS-YD25280**

Rated Voltage: 25.6V

Rated Capacity: 280Ah

Rated Energy: 7168Wh

Recommended Charge Current: 40A

Maximum Charge Current: 100A

Recommended Charge Voltage: 29.2V

Continuous Discharge Current: 100A

Maximum continuous Discharge Current: 200A

Discharge Cut-Off Voltage: 20V

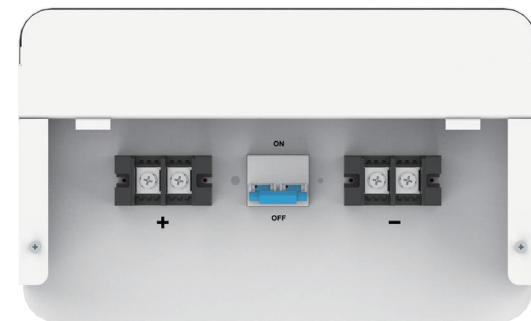
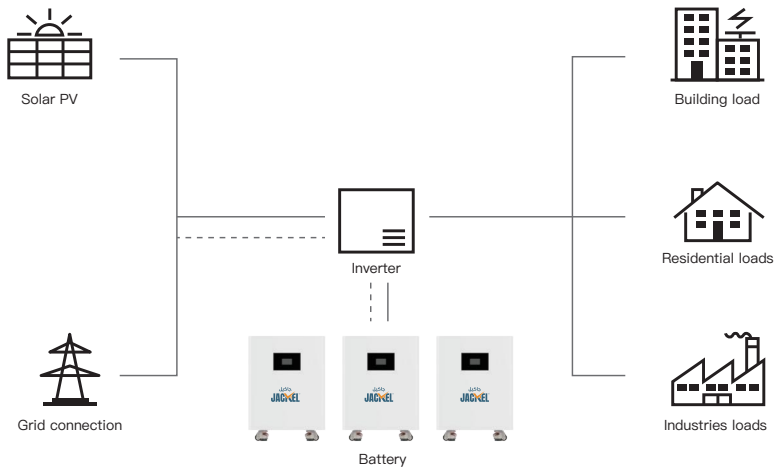
Dimension: L450\*W276\*H548.5mm

Weight:  $\approx$  63.2kg

Terminal Type: M8

Cycle Life: >6000 (0.5C@ 25°C, 80% DOD)

Certificate: CE,FCC,RoHS,MSDS,UN38.3



Model:

### HS-LD12280

Rated Voltage: 12.8V

Rated Capacity: 280Ah

Rated Energy: 3584Wh

Recommended Charge Current: 40A

Maximum Charge Current: 100A

Recommended Charge Voltage: 14.6V

Continuous Discharge Current: 100A

Maximum continuous Discharge Current: 200A

Discharge Cut-Off Voltage: 10V

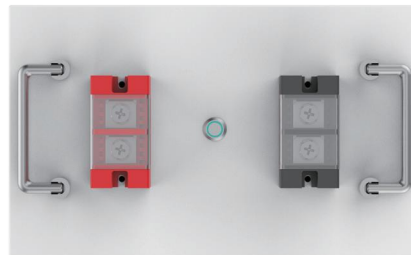
Dimension: L316\*W195\*H340mm

Weight:  $\approx$  28.7kg

Terminal Type: M8

Cycle Life: > 6000 (0.5C@ 25°C, 80% DOD)

Certificate: CE,FCC,RoHs,MSDS,UN38.3



Model:

### HS-LD25280

Rated Voltage: 25.6V

Rated Capacity: 280Ah

Rated Energy: 7168Wh

Recommended Charge Current: 40A

Maximum Charge Current: 100A

Recommended Charge Voltage: 29.2V

Continuous Discharge Current: 100A

Maximum continuous Discharge Current: 200A

Discharge Cut-Off Voltage: 20V

Dimension: L464\*W273\*H340mm

Weight:  $\approx$  53.8kg

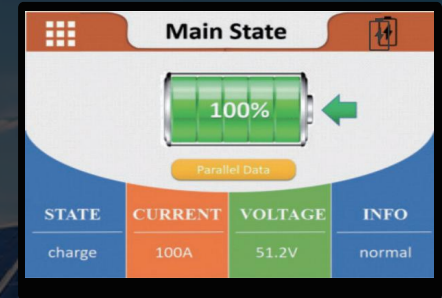
Terminal Type: M8

Cycle Life: > 6000 (0.5C@ 25°C, 80% DOD)

Certificate: CE,FCC,RoHs,MSDS,UN38.3



# 3.5-inch touch screen series



25.6V 100Ah  
2560Wh

25.6V 200Ah  
5120Wh

25.6V 305Ah  
7808Wh

51.2V 100Ah  
5120Wh

51.2V 200Ah  
10240Wh

51.2V 305Ah  
15616Wh

51.2V 400Ah  
20480Wh

02

# Energy Storage System with built-in inverter



## Model: HS-YD3.6KW

Product Type: All-in-one design,  
with built-in hybrid inverter

### PV Input

Max. PV Input Power: 5000W  
Max. DC Input Voltage: 500Vdc  
Max. Input Current: 18A  
MPPT Voltage Range: 40V-450V

### AC Input

Nominal Operating Voltage: 230Vac  
Nominal Operating Frequency: 50/60Hz  
Max. Input Current: 20A

### AC Output

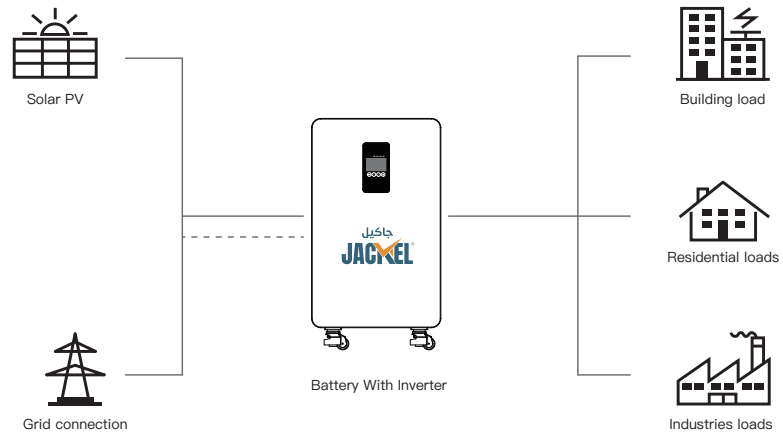
Rated Output Power: 3600VA/3600W  
Nominal AC Output Voltage: 208/220/230/240Vac  
Nominal AC Frequency: 50/60Hz  
Surge Power(3 seconds): 5400VA  
Nominal AC Output Current: 15.7A

### Battery

Rated Voltage: 25.6V  
Rated Capacity: 127Ah  
Rated Energy: 3251.2Wh  
Voltage Range: 22.4-28V  
Charge Voltage Range: 28-28.8V  
Cut-off Voltage: 22.4V  
Recommend Charge Current: 50A  
Max Charge Current: 100A  
Max Discharge Current: 100A

### General

Temperature: -10°C ~ +55 °C  
Protective Class: Class I  
Ingress Protection: IP31



## Model: HS-YD8KW

Product Type: All-in-one design,  
with built-in hybrid inverter

### PV Input

Max. PV Input Power: 5000W  
Max. DC Input Voltage: 500Vdc  
Max. Input Current: 18A  
MPPT Voltage Range: 40V-450V

### AC Input

Nominal Operating Voltage: 230Vac  
Nominal Operating Frequency: 50/60Hz  
Max. Input Current: 20A

### AC Output

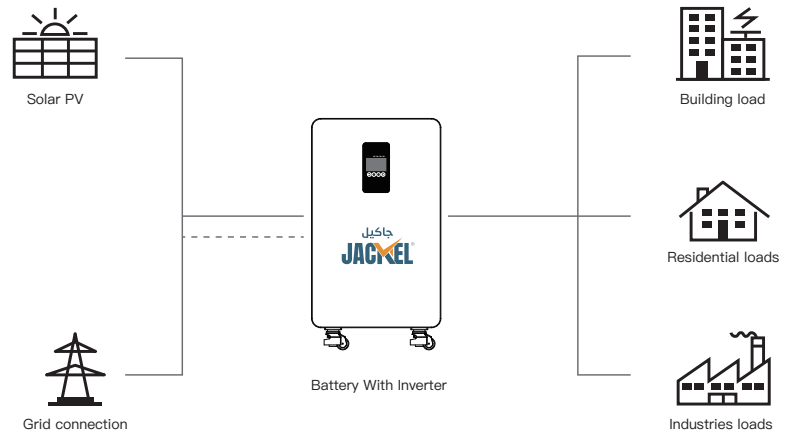
Rated Output Power: 4200VA/4200W  
Nominal AC Output Voltage: 208/220/230/240Vac  
Nominal AC Frequency: 50/60Hz  
Surge Power(3 seconds): 5400VA  
Nominal AC Output Current: 15.7A

### Battery

Rated Voltage: 25.6V  
Rated Capacity: 314Ah  
Rated Energy: 8038.4Wh  
Voltage Range: 22.4-28V  
Charge Voltage Range: 28-28.8V  
Cut-off Voltage: 22.4V  
Recommend Charge Current: 50A  
Max Charge Current: 100A  
Max Discharge Current: 150A

### General

Temperature: -10°C ~ +55 °C  
Protective Class: Class I  
Ingress Protection: IP31



Model:

## HS-YD5KW

### PV Input

Max. PV Input Power:	9000W
MPPT Voltage:	60-450VDC
Max. Input Current:	27A
Open circuit voltage:	500V
Max PV charge current:	120A

### AC Input

Nominal Operating Voltage:	230Vac
Nominal Operating Frequency:	50/60Hz
Nominal Current(RMS):	26A
Max Current (RMS):	40A
Input Voltage Range:	90~280Vac

### AC Output

Rated Output Power:	6000VA/6000W
Nominal AC Output Voltage:	208/220/230/240Vac
Nominal AC Frequency:	50/60Hz
Output topology:	L + N + PE

### Battery

Rated Voltage:	51.2V
Rated Capacity:	100Ah
Rated Energy:	5120Wh
Max. Battery Discharging Current:	100A
Voltage Range:	44.8-56V
Charge Voltage Range:	56-57.6V
Cut-off Voltage:	44.8V
Recommend Charge Current:	50A
Max Charge Current:	100A
Max Discharge Current:	100A

### General

Temperature:	-10°C ~ +55 °C
Protective Class:	Class I
Ingress Protection:	IP31



Model:

## HS-YD15.6KW

### PV Input

Max. PV Input Power:	9000W
MPPT Voltage:	60~450VDC
Max. Input Current:	27A
Open circuit voltage:	500V
Max PV charge current:	120A

### AC Input

Nominal Operating Voltage:	230Vac
Nominal Operating Frequency:	50/60Hz
Nominal Current(RMS):	26A
Max Current (RMS):	40A
Input Voltage Range:	90~280Vac

### AC Output

Rated Output Power:	6000VA/6000W
Nominal AC Output Voltage:	208/220/230/240Vac
Nominal AC Frequency:	50/60Hz
Output topology:	L + N + PE

### Battery

Rated Voltage:	51.2V
Rated Capacity:	280Ah
Rated Energy:	14336Wh
Max. Battery Discharging Current:	100A
Voltage Range:	44.8~56V
Charge Voltage Range:	56~57.6V
Cut-off Voltage:	44.8V
Recommend Charge Current:	50A
Max Charge Current:	100A
Max Discharge Current:	100A

### General

Temperature:	-10°C ~ +55 °C
Protective Class:	Class I
Ingress Protection:	IP31



Model:

## HS-YD15KW

Model: HS-YD15KW

Rated Voltage: 51.2V

Rated Capacity: 280Ah

Rated Energy: 14336Wh

Voltage Range: 44.8-56V

Charge Voltage Range: 56-57.6V

Cut-off Voltage: 44.8V

Recommend Charge Current: 50A

Max Charge Current: 100A

Max Discharge Current: 100A

Output Peak power: Max 6000W peak

Battery Type: LiFePO4 280Ah\*16PCS 16S1P

AC Input: 2500W(Parameters can be set)

MPPT PV Input: 120-500V 5500W Max

AC output: AC 230V 1500W\*3 Pure sine wave

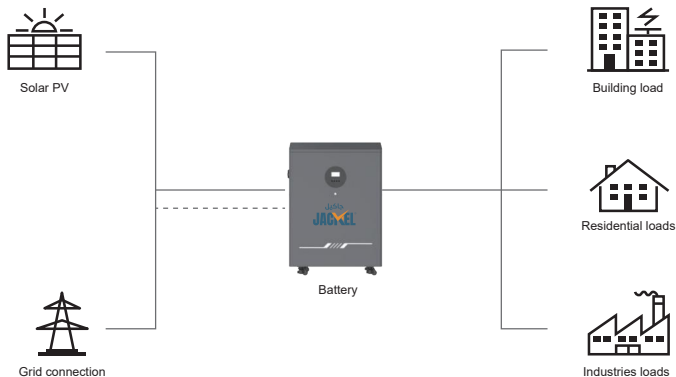
Indicator: LCD screen to show AC volt, power percentage, Frequency Hz.

Shell material: Metal

Product weight: ≈120.2kg

Dimension: L695\*W330\*H940mm(Height including base)

Color: Dark gray



03

## Stackable energy storage battery with built-in inverter



Model:

## HS-TQS4.2KW+7.168KWh

Product Type: Hybrid Inverter

### PV Input

Max. PV Input Power: 5000W  
 Max. DC Input Voltage: 500Vdc  
 Max. Input Current: 18A  
 MPPT Voltage Range: 40V-450V

### AC Input

Nominal Operating Voltage: 230Vac  
 Nominal Operating Frequency: 50/60Hz  
 Max. Input Current: 20A

### AC Output

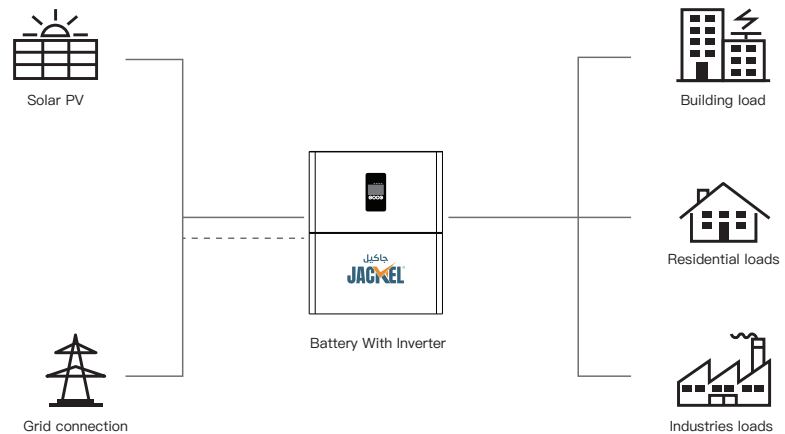
Rated Output Power: 4200VA/4200W  
 Nominal AC Output Voltage: 208/220/230/240Vac  
 Nominal AC Frequency: 50/60Hz  
 Surge Power(3 seconds): 5400VA  
 Nominal AC Output Current: 16.3A

### Battery

Rated Voltage: 25.6V  
 Rated Capacity: 280Ah  
 Rated Energy: 7168Wh  
 Voltage Range: 22.4-28V  
 Charge Voltage Range: 28-28.8V  
 Cut-off Voltage: 22.4V  
 Recommend Charge Current: 50A  
 Max Charge Current: 100A  
 Max Discharge Current: 150A

### General

Temperature: -10°C ~ +55 °C  
 Protective Class: Class I  
 Ingress Protection: IP31



Model:

## HS-TQS5KW+14.336KWh

Product Type: Hybrid Inverter

### PV Input

Max. PV Input Power: 6000W  
 Max. DC Input Voltage: 500Vdc  
 Max. Input Current: 20A  
 MPPT Voltage Range: 120V-430V

### AC Input

Nominal Operating Voltage: 230Vac  
 Nominal Operating Frequency: 50/60Hz  
 Max. Input Current: 40A

### AC Output

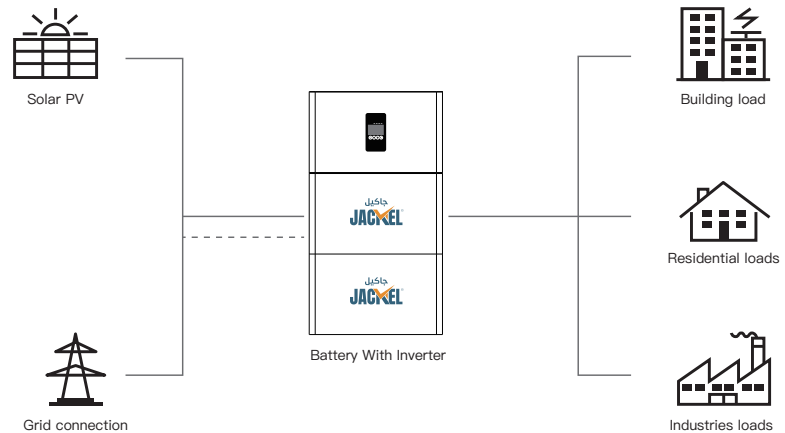
Rated Output Power: 5500VA/5500W  
 Nominal AC Output Voltage: 208/220/230/240Vac  
 Nominal AC Frequency: 50/60Hz  
 Surge Power(3 seconds): 8250VA  
 Nominal AC Output Current: 25A

### Battery (connect in series)

Rated Voltage: 51.2V  
 Rated Capacity: 280Ah  
 Rated Energy: 14336Wh  
 Voltage Range: 44.8-56V  
 Charge Voltage Range: 56-57.6V  
 Cut-off Voltage: 44.8V  
 Recommend Charge Current: 50A  
 Max Charge Current: 100A  
 Max Discharge Current: 150A

### General

Temperature: -10°C ~ +55 °C  
 Protective Class: Class I  
 Ingress Protection: IP31



# 04

## Rack Mounted Energy Storage



Model:

## HS-GS3500W

### Low-voltage battery

Rated Voltage: 51.2V

Rated Capacity: 70Ah

Rated Energy: 3584Wh

Voltage Range: 44.8-56V

Charge Voltage Range: 56-57.6V

Cut-off Voltage: 44.8V

Recommend Charge Current: 35A

Max Charge Current: 70A

Max Discharge Current: 70A

DimensionL\*W\*H: 370\*420\*120mm

Weight: 32kg

Communication Port: RS485、CAN

Display: LED+LCD

Terminal: Plug-in

Cycle Life: >6000 (0.5C@ 25°C, 80% DOD)

Compatible inverter: Growatt, Goodwe, Sol-Ark, SRNE, DEYE

Certificate: CE,FCC,RoHs,MSDS,UN38.3



Model:

## HS-GS5000W

### Low-voltage battery

Rated Voltage: 51.2V

Rated Capacity: 100Ah

Rated Energy: 5210Wh

Voltage Range: 44.8-56V

Charge Voltage Range: 56-57.6V

Cut-off Voltage: 44.8V

Recommend Charge Current: 50A

Max Charge Current: 100A

Max Discharge Current: 100A

DimensionL\*W\*H: 470\*452\*160mm

Weight: 46kg

Communication Port: RS485、CAN

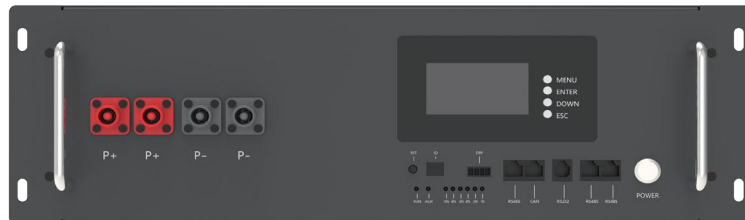
Display: LED+LCD

Terminal: Plug-in

Cycle Life: >6000 (0.5C@ 25°C, 80% DOD)

Compatible inverter: Growatt, Goodwe, Sol-Ark, SRNE, DEYE

Certificate: CE,FCC,RoHs,MSDS,UN38.3



Model:

## HS-GS10KW

### Low-voltage battery

Rated Voltage: 51.2V

Rated Capacity: 200Ah

Rated Energy: 10240Wh

Voltage Range: 44.8-56V

Charge Voltage Range: 56-57.6V

Cut-off Voltage: 44.8V

Recommend Charge Current: 100A

Max Charge Current: 200A

Max Discharge Current: 200A

DimensionL\*W\*H: 490\*585.5\*241mm

Weight: 95kg

Communication Port: RS485、CAN

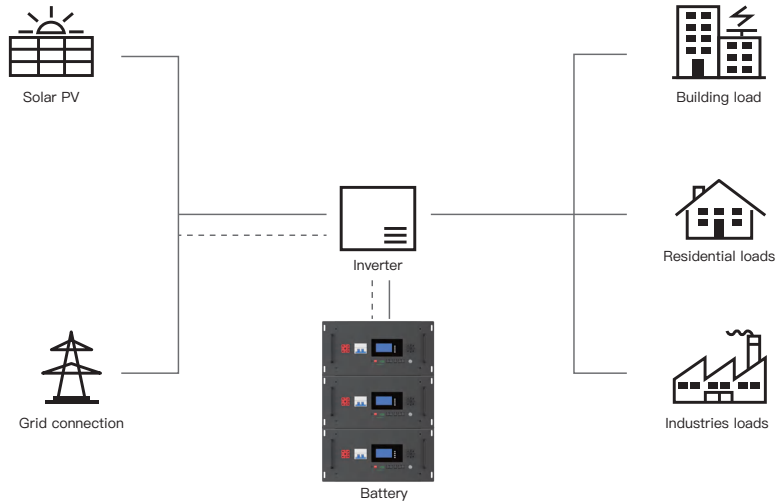
Display: LED+LCD

Terminal: Plug-in

Cycle Life: >6000 (0.5C@ 25°C, 80% DOD)

Compatible inverter: Growatt, Goodwe, Sol-Ark, SRNE, DEYE

Certificate: CE,FCC,RoHs,MSDS,UN38.3



## HS-JZ01

Rated Voltage: 51.2V

Rated Capacity: 100Ah

Rated Energy: 5120Wh

Voltage Range: 44.8-56V

Charge Voltage Range: 56-57.6V

Cut-off Voltage: 44.8V

Recommend Charge Current: 50A

Max Charge Current: 100A

Max Discharge Current: 100A

DimensionL\*W\*H: 470\*452\*160mm

Weight: 46kg

Communication Port: RS485、CAN

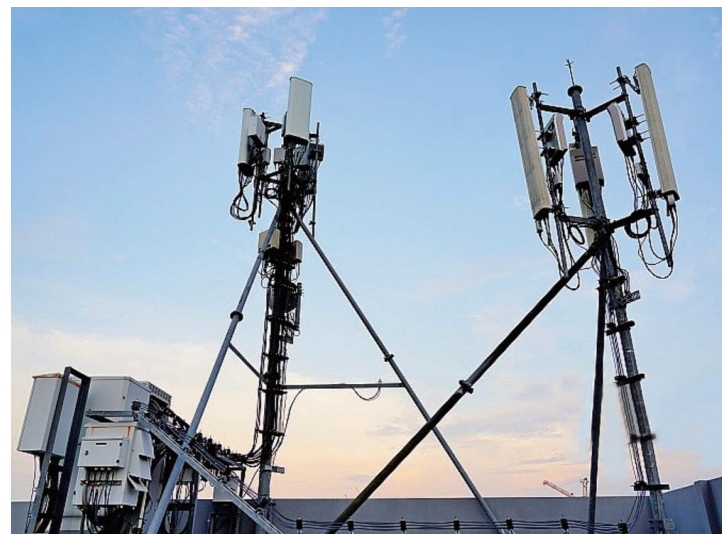
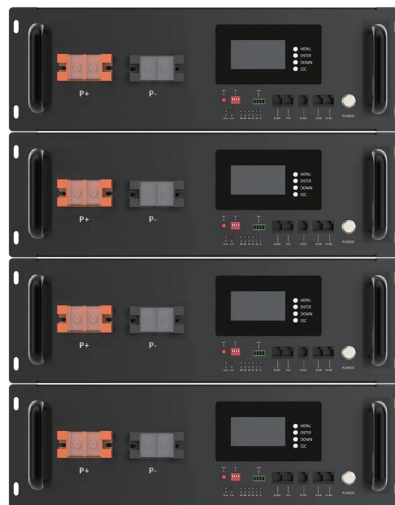
Display: LED+LCD

Terminal: Plug-in

Cycle Life: >6000 (0.5C@ 25°C, 80% DOD)

Compatible inverter: Growatt, Goodwe, Sol-Ark, SRNE, DEYE

Certificate: CE,FCC,RoHs,MSDS,UN38.3



Model:

## HS-GS5000WHV

### High-voltage battery

Cell Chemistry	LiFePO4		
Module Energy(kWh)	5.12		
Module Nominal Voltage (V)	51.2		
Module Capacity(Ah)	100		
Battery Module Qty in series.(Optional)	4 (Min)	8 (Standard US Cluster)	12 (Standard EU Cluster)
System Nominal Voltage (V)	204.8	409.6	614.4
System Operating Voltage(V)	180~233.6	332.8~467.2	499.2~700
System Energy(kWh)	20.48	40.96	61.44
System Usable Energy (kWh) <sup>1</sup>	18.432	36.86	55.29
Charge/Discharge <sup>2</sup> Current (A)	Recommend	50	
	Nominal	100	
	Peak Discharge (2 mins,25°C)	125	
Working Temperature(°C)	Charge:0~55/Discharge:-20~55		
Status Indicator	Yellow: Battery High Voltage Power On Red: Battery System Alarm		
Communication Port	CAN2.0/RS485		
Humidity	5~85%RH		
Altitude	≤2000m		
IP Rating of Enclosure	IP20		
Dimension(W/D/H,mm)	589*590*1640		589*590*2240
Weight Approximate(kg)	258	434	628
Installation Location	Rack Mounting		
Storage Temperature(°C)	0~35		
Recommend Depth of Discharge	90%		
Cycle Life	25±2°C,0.5C/0.5C,EOL70%≥6000		
Warranty <sup>3</sup>	5years		
Certification	CE/UN38.3		



1 DCUsable Energy, test conditions: 90% DOD, 0.2C charge & discharge at 25°C, System usable energy may vary due to system configuration parameters.

2 The current is affected by temperature and SOC.

3 The warranty is due whichever reached first of warranty period or life cycle power.

## HS-JT9600W-HV

Main Parameter		
Cell Chemistry		LiFePO4
Module Energy(kWh)		9.6
Module Nominal Voltage (V)		96V
Module Capacity(Ah)		100
Battery Module Qty in series. (Optional)		4 Cluster
System Nominal Voltage (V)		374
System Operating Voltage (V)		420~432
System Energy (kWh)		96
System Usable Energy (kWh)		91.2
Charge/Discharge Current (A)	Recommend	50
	Nominal	100
	Peak Discharge (2 mins, 25°C)	125
Working Temperature(°C)		Charge: 0~55/Discharge: -20~55
Humidity		5~85%RH
Altitude		≤2000m
IP Rating of Enclosure		IP20
Dimension (W/D/H,mm)		L780*W560*H852.5mm
Weight Approximate (kg)		≈364.1kg
Installation Location		Stacking
Storage Temperature(°C)		0~35
Recommend Depth of Discharge		95%
Cycle Life		25±2°C, 0.5C/0.5C,EOL70%≥8000



# 05

## Commercial & Industrial ESS

### Energy Storage Skid Solution

- All-in-one design for quick installation and minimum footprint
- Optimal system safety to reduce risks and protect assets
- Flexible and scalable configurations to meet current and future needs



EV Charging Stations



Factories



Commercial Buildings

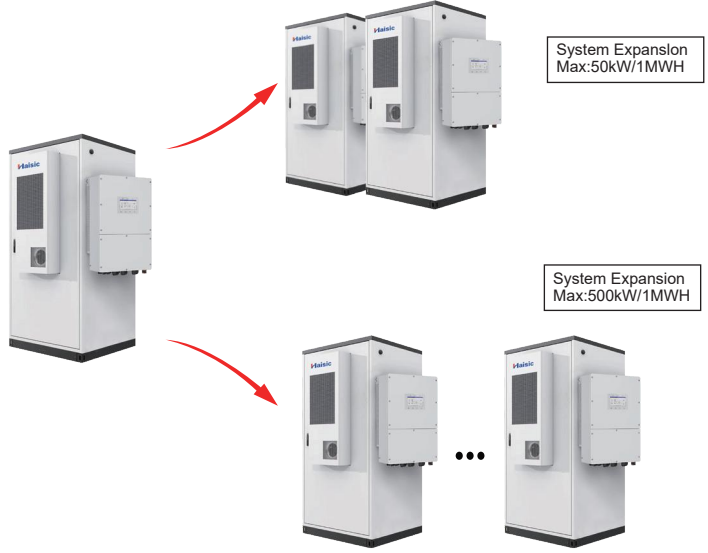


Microgrids

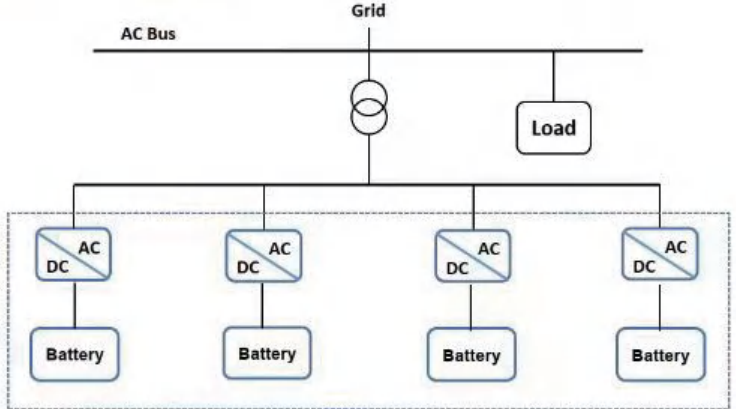


Model	HSEES100KWH-30KW	HSEES100KWH-40KW	HSEES100KWH-50KW
<b>DC Data</b>			
Battery Type	LiFePO4	LiFePO4	LiFePO4
Battery Energy	107.52kWh/1P120S	107.52kWh/1P120S	107.52kWh/1P120S
Battery Voltage Range	336Vdc~ 438Vdc	336Vdc~ 438Vdc	336Vdc~ 438Vdc
Rated Voltage	576V	576V	576V
Pack	280Ah/LFP 3.2V	280Ah/LFP 3.2V	280Ah/LFP 3.2V
Cycle Life	≥8000@0.5C 25 °C	≥8000@0.5C 25 °C	≥8000@0.5C 25 °C
Communication	RS485/CAN	RS485/CAN	RS485/CAN
<b>PCS Parameters</b>			
Rated Output Power	30KW	40KW	50KW
Max. Rated Output Power	33KW	44KW	55KW
Rated Grid Voltage	3L/N/ PE 400VAC	3L/N/PE 400VAC	3L/N/PE 400VAC
Grid Frequency	50/60Hz	50/60Hz	50/60Hz
Output THDi	<3%	<3%	<3%
Peak Efficiency	97.60%	97.60%	97.60%
<b>PV String Input Data</b>			
Max. DC Input Power (W)	60000	80000	100000
MPPT Voltage Range (V)	150V~850V	150V~850V	150V~850V
Start-up Voltage (V)	180	180	180
Rated DC Input Voltage (V)	600	600	600
No. of MPPT Trackers/			
No. of String Per MPPT	3/2+2+2	4/2+2+2+2	4/2+2+2+2
Tracker			
<b>General Data</b>			
Dimensions (W x DxH)	1200x1000x2100 mm		
Weight of the Whole System	1200 KG(BATT)+35KG/80KG(INVERTER)		
Protection Level	IP55		
Operating Temperature			
Range	-20 °C ~50 °C		
Relative Humidity	0~95%(Non-Condensing)		
Warranty	5 Years Product Warranty		
Cooling	Forced Air-Cooling		
Fire Protection	Aerosol Fire Protection		

Typical application cases







500KWh with 10 strings version



# Specifications

## LFP Battery Energy Storage Solutions - IEC

Model	HS-ESS100kW215kWh	HS-ESS200kW430kWh	HS-ESS300kW645kWh	HS-ESS400kW860kWh	HS-ESS500kW1075kWh
Configuration					
PCS	100kW	200kW	300kW	400kW	500kW
Battery	Battery Cabinet (280 Ah cell)				
System Capacity	100 kW - 2 hours	200 kW -2 hours	300 kW-2 hours	400 kW -2 hours	500 kW - 2 hours
Install Energy(BOL)	215kWh	430kWh	645kWh	860kWh	1075kWh
PCS/ Battery Cabinet Q'ty	1/1	1/2	1/3	1/4	1/5
Dimension (W x D x H)	1450*1650*2340mm	1450*1650*2340mm*2	1450*1650*2340mm*3	1450*1650*2340mm*4	1450*1650*2340mm*5

\* Other capacity can be determined by every single cabinet according to the battery modules quantity;  
 \* Specifications are subject to change without prior notice.

06

## Portable Power Station



## HS2400

Capacity: 2496Wh  
Output Peak power: 1800W MAX (60S Protection)  
Battery Type: LiFePO4 52Ah\*15PCS 15S1P  
Input: 600W Inside Charger  
AC output: AC 110V/220V 1500W Pure sine wave output\*2  
Indicator: LCD screen to show capacity status  
Charging time: 6-7hours  
Shell material: Engineering PP  
Product weight: 31KG  
Dimension: 560\*355\*240mm  
Certificate: CE,FCC,RoHS,MSDS,UN38.3  
Carton Info: 800\*545\*370mm,37KG  
Packing accessories: AC charge cable, User manual



## HS3000

Capacity: 3584Wh  
Output Peak power: Max 6000W peak  
Battery Type: LiFePO4 70Ah\*16PCS 8S2P  
AC Input: 1500W  
MPPT PV Input: 160-500V Max3500W  
USB Output1: QC3.0(5V-12V) 18W\*2  
USB Output2: TYPE C: PD60W  
DC Output3: 12V/10A\*4  
AC output: AC 110V/220V 3000W Pure sine wave output\*2  
Indicator: LCD screen to show DC,AC volt, power percentage, Frequency Hz.  
Charging time: 2-3hours  
Shell material: Engineering PP  
Product weight: 39KG  
Dimension: 570x425x280mm  
Cycle Life: >6000 (0.5C@ 25°C, 80% DOD)  
Certificate: CE,FCC,RoHS,MSDS,UN38.3  
Packing accessories: AC charge cable, PV charge cable



## HS1520

Capacity: 2150Wh  
Battery Type: LiFePO4 96Ah\*7PCS 1P7S  
AC Input: 735W Inside Charger  
MPPT PV Input: 650W 36-70V Max 20A  
USB Output: QC3.0(5V-12V) 18W\*4  
AC output: AC 220V 1500W Pure sine wave output\*3  
DC output: 12V/10A\*4  
Cigarette Lighter Output: 12V/10A  
Indicator: LCD screen to show capacity status  
Charging time: 4-5hours  
Shell material: Metal  
Product weight: 35kg  
Dimension: 400\*265\*350mm  
Certificate: MSDS, UN38.3, CE, FCC, RoHS  
Packing accessories: AC charge cable, User manual

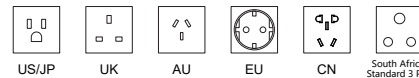
## HS2500

Capacity: 2480Wh  
Battery Type: LiFePO4 96Ah\*8PCS 1P8S  
AC Input: 820W Inside Charger  
MPPT PV Input: 730W 36-70V Max 20A  
USB Output: QC3.0(5V-12V) 18W\*4  
AC output: AC 220V 2500W Pure sine wave output\*3  
DC output: 12V/10A\*4  
Cigarette Lighter Output: 12V/10A  
Indicator: LCD screen to show capacity status  
Charging time: 4-5hours  
Shell material: Metal  
Product weight: 38.6kg  
Dimension: 400\*265\*350mm  
Certificate: MSDS, UN38.3, CE, FCC, RoHS  
Packing accessories: AC charge cable, User manual



Model:  
**HS5000**

Capacity: 5120Wh  
Output Peak power: Max 8000W peak  
Battery Type: LiFePO4 100Ah\*16PCS 16S1P  
AC Input: 2500W  
MPPT PV Input: 160-500V Max5000W  
USB Output1: QC3.0(5V-12V) 18W\*2  
USB Output2: TYPE C: PD60W  
DC Output3: 12V/10A\*4  
Cigarette Lighter Output: 12V/10A  
AC output: AC 110V-220V 5000W pure sine wave output\*2  
Indicator: LCD screen to show DC,AC volt, power percentage, Frequency Hz.  
Charging time: 2-3hours  
Shell material: Engineering PP  
Product weight: 59KG  
Dimension: 643x505x314mm  
Cycle Life: > 6000 (0.5C@ 25°C, 80% DOD)  
Certificate: CE,FCC,RoHS,MSDS,UN38.3  
Packing accessories: AC charge cable, PV charge cable



07

# LiFePO4 Battery Pack



Outdoor and indoor UPS and battery backup systems ;  
Portable and cordless household appliances ;  
Medical equipment ; Motorcycles, toy cars ; Camping trailers, RVs, etc.  
Lighting equipment, emergency lights, etc.  
And many other application scenarios.



HS-12.8V6AH



HS-12.8V7.2AH



HS-12.8V8AH



HS-12.8V15AH



HS-12.8V18AH



HS-12.8V23AH



HS-12.8V50AH



HS-12.8V100AH



HS-12.8V150AH

# LiFePO4 Battery Pack

Outdoor and indoor UPS and battery backup systems ;  
Portable and cordless household appliances ;  
Medical equipment ; Motorcycles, toy cars ; Camping trailers, RVs, etc.  
Lighting equipment, emergency lights, etc.  
And many other application scenarios.



HS-12.8V200AH



HS-12.8V250AH



HS-12.8V300AH



HS-12.8V400AH



HS-25.6V50AH



HS-25.6V100AH



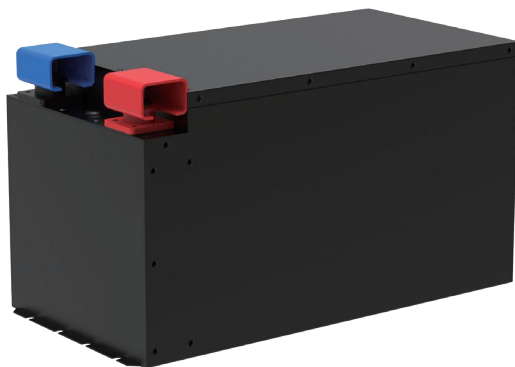
HS-25.6V200AH



HS-12.8V100AH  
With self-heating function



12.8V 154Ah  
LiFePO4 battery for RV



12.8V 270Ah  
LiFePO4 battery for marine



12.8V 185Ah  
LiFePO4 battery for marine



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