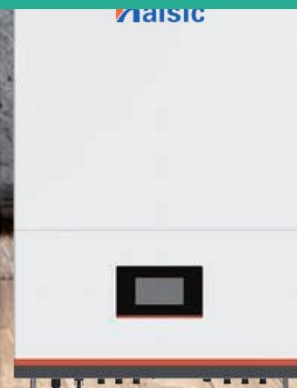


01

Wall-mounted energy storage battery



All-in-one



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

Dimension L*W*H: 460*164*612mm

Weight: $\approx 49.3\text{kg}$

Communication Port: RS485、CAN

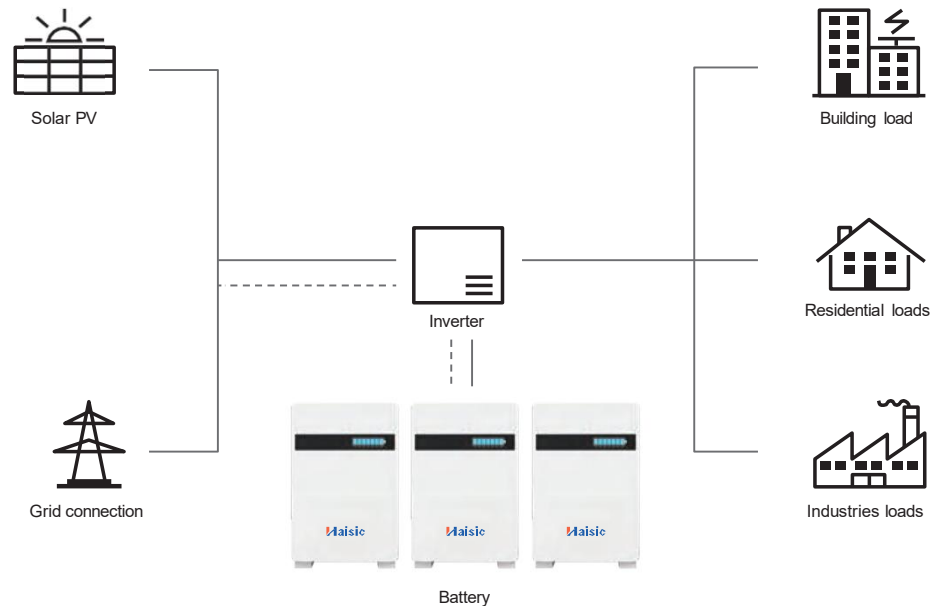
Display: LED+LCD

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-A4

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: 460*172*620mm

Weight: ~51kg

Communication Port: RS485、CAN

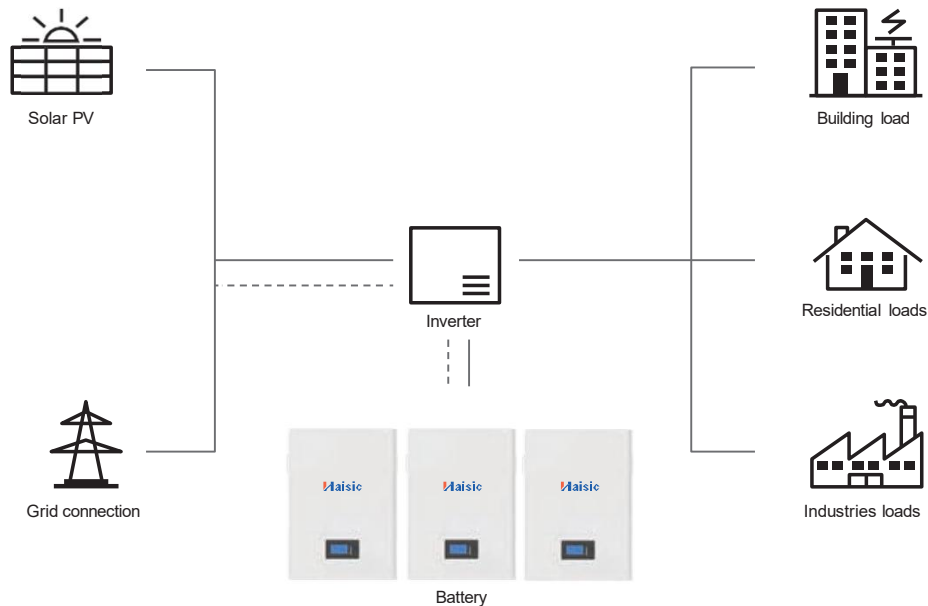
Display: LED+LCD

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

Dimension L*W*H: 430*164*960mm

Weight: $\approx 85.9\text{kg}$

Communication Port: RS485、CAN

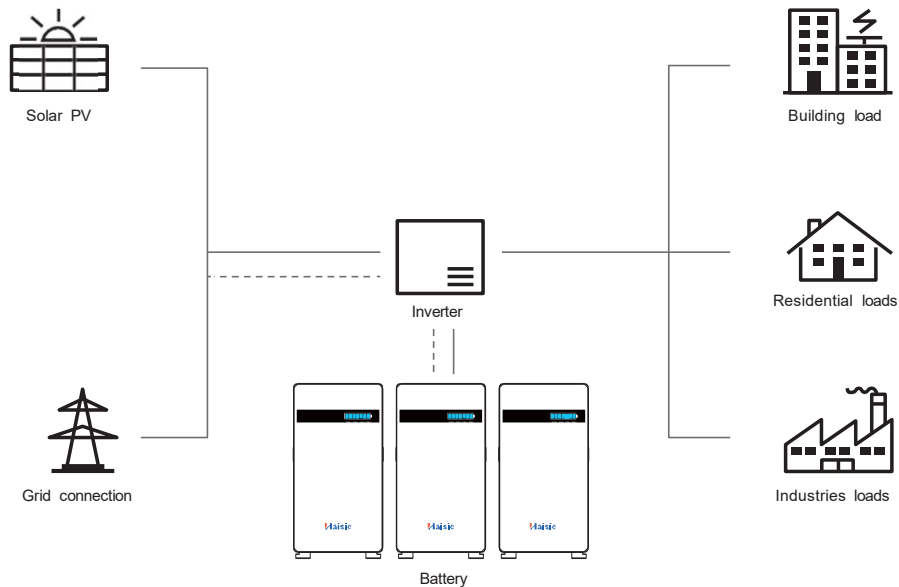
Display: LED+LCD

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: $\approx 117.5\text{kg}$

Communication Port: RS485、CAN

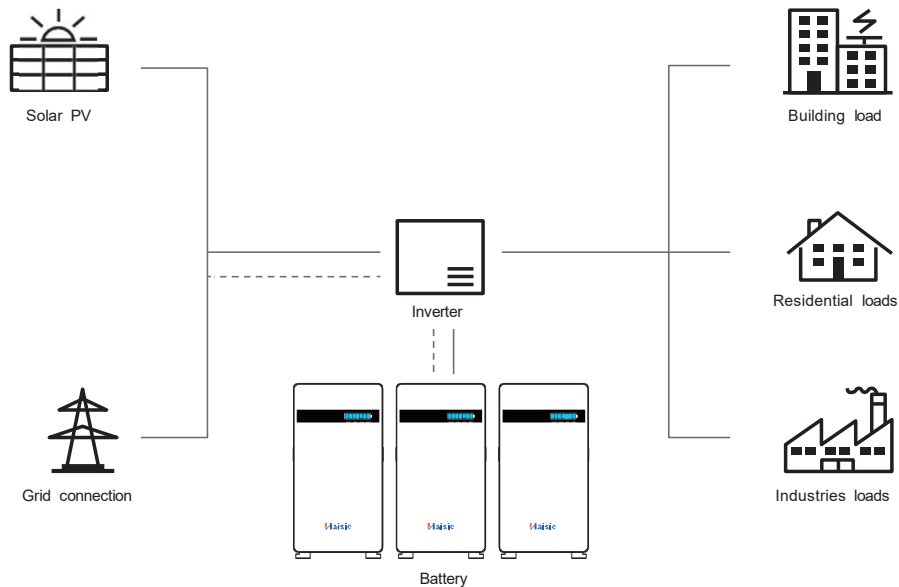
Display: LED+LCD

Terminal: M8

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

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

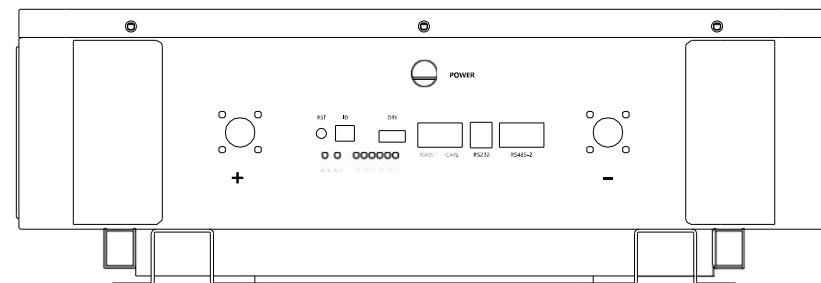
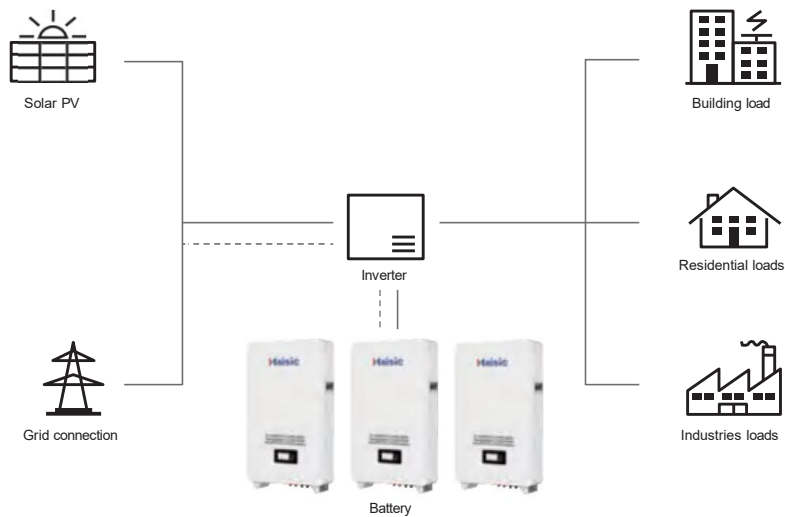
Certificate: CE, FCC, RoHS, MSDS, UN38.3



Model:

HS-BG10KW-A3

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: 520*141*870mm
 Weight: 98kg
 Communication Port: RS485、CAN
 Display: LED+LCD
 Terminal: Plug-in
 Humidity: 5-95% RH
 Charge Temperature Range: 0-45°C
 Discharge Temperature Range: -20-60°C
 Storage Temperature Range: -20-45°C
 Cycle Life: > 6000 (0.5C@ 25°C, 80% DOD)
 Compatible inverter: Growatt, Goodwe, Sol-Ark, SRNE, DEYE, Luxpower, Megarevo
 Certificate: CE, FCC, RoHS, MSDS, UN38.3



Model:

HS-BG8000W with built-in inverter (All-in-one design)

Capacity: 8243Wh

Output Peak power: Max 6000W peak

Battery Type: LiFePO₄ 161Ah*16PCS 16S1P

AC Input: 3000W

MPPT PV Input: 160-450V 3500W

AC output: AC 220V 5000W Pure sine wave

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

Charging time: 3-4hours

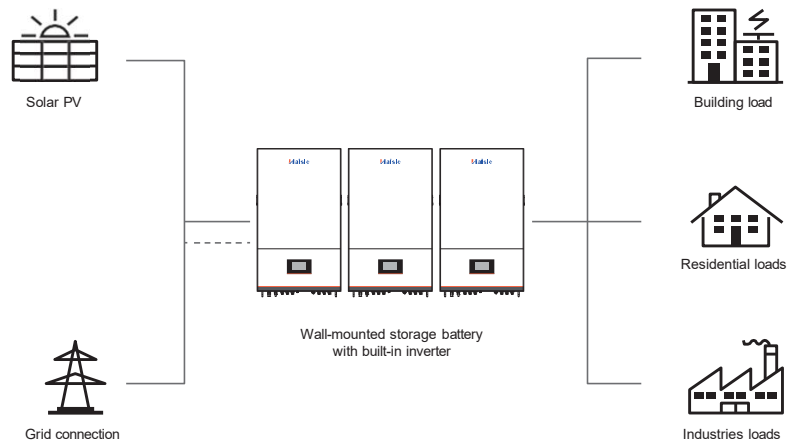
Shell material: Metal

Product weight: 92KG

Dimension: 968*568*138mm

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

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



Model:

HS-BG9500W

Rated Voltage: 51.2V

Rated Capacity: 186Ah

Rated Energy: 9523Wh

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: 457*163*760mm

Weight: 70kg

Communication Port: RS485、CAN

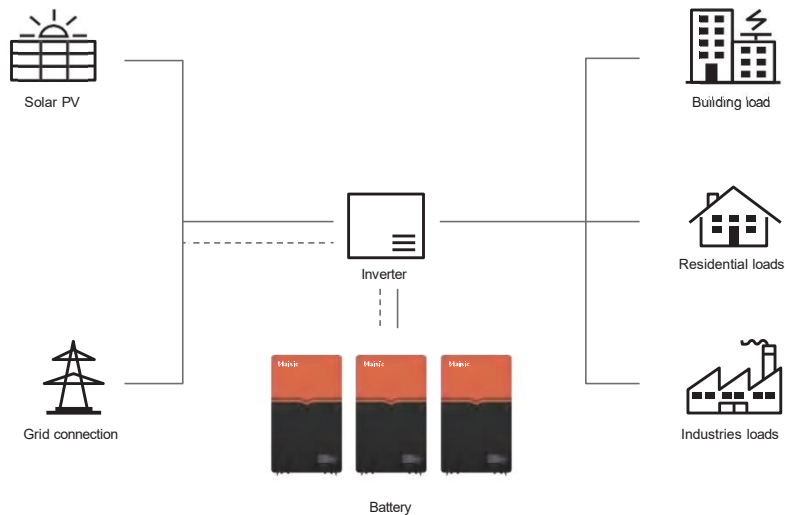
Display: LED+LCD

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-BG5000W

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: 420*160*580mm

Weight: 51kg

Communication Port: RS485、CAN

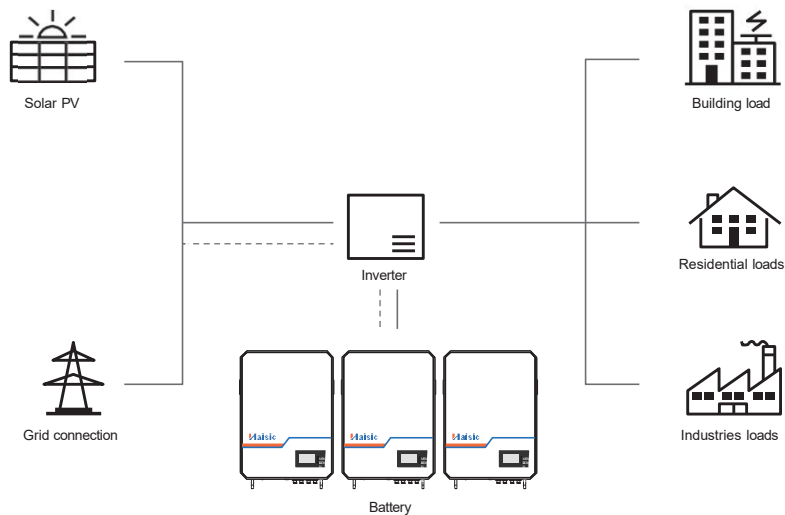
Display: LED+LCD

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-BG3500W

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: 374*138*530mm

Weight: 32kg

Communication Port: RS485、CAN

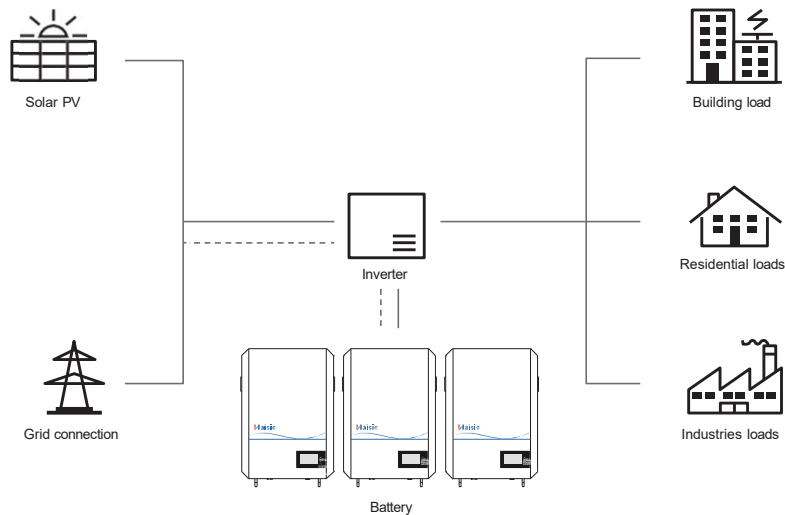
Display: LED+LCD

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



02

Vertical-mounted energy storage battery



Vertical-mounted energy storage battery

Model:

HS-TQS5000W with built-in inverter (All-in-one design)

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

Output Peak power: Max 6000W peak

Battery Type: LiFePO4 100Ah*16PCS 16S1P

AC Input: 2500W(Parameters can be set)

MPPT PV Input: 120-500V 5500W Max

AC output: AC 220V-240V 5000W Pure sine wave



Solar PV



Building load



Residential loads



Industries loads



Grid connection



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: $\approx 49.3\text{kg}$

Communication Port: RS485、CAN

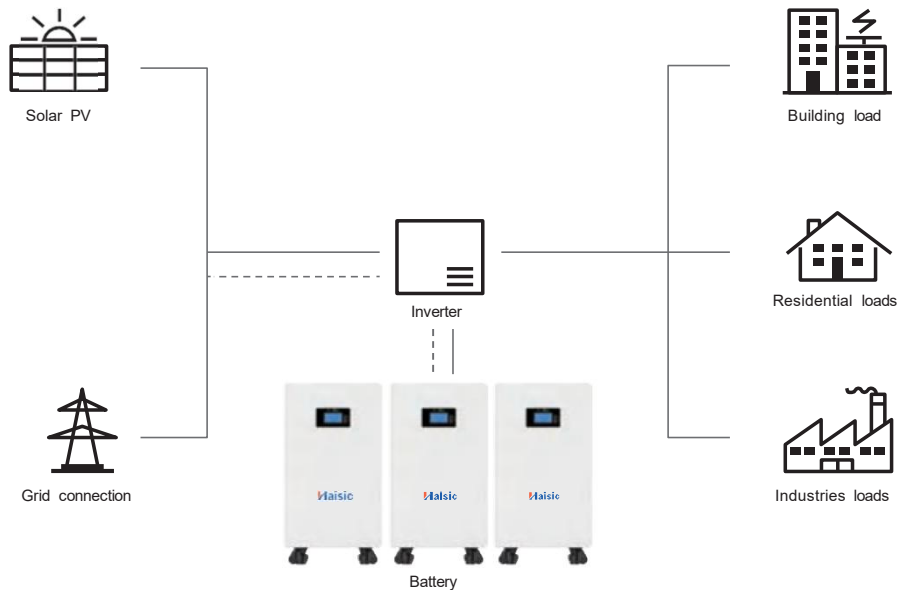
Display: LED+LCD

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

Dimension L*W*H: 418*228*670(Without base)

Weight: ~89.2kg

Communication Port: RS485、CAN

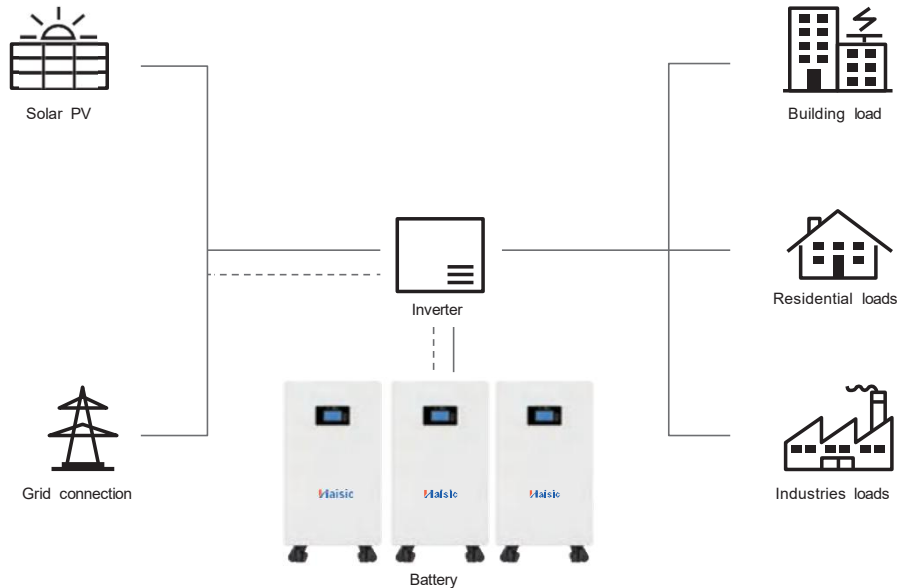
Display: LED+LCD

Terminal: M8

Cycle Life: >6000 (0.5C@ 25℃, 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: 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*233*810(Without base)

Weight: $\approx 117.5\text{kg}$

Communication Port: RS485、CAN

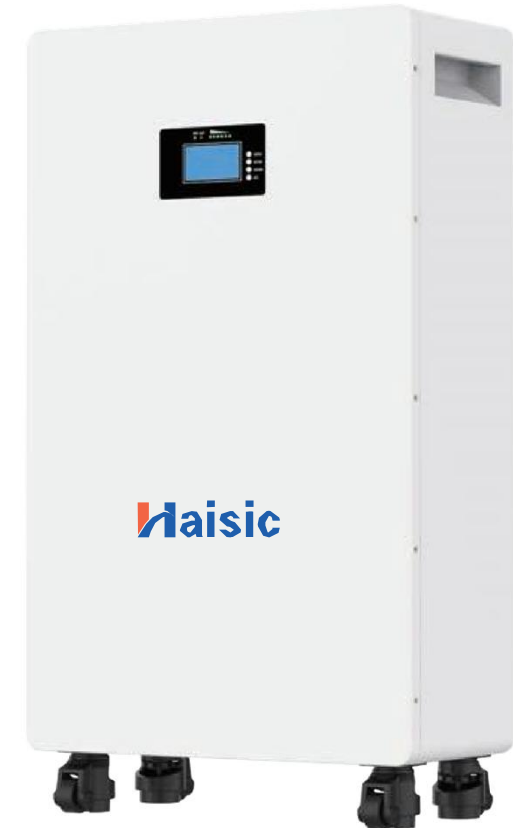
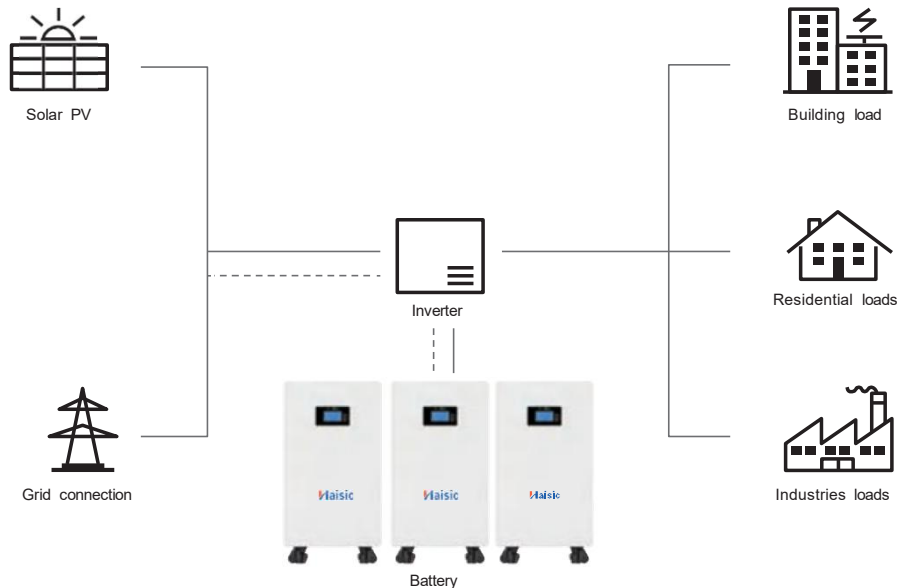
Display: LED+LCD

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: $\approx 165\text{kg}$

Communication Port: RS485、CAN

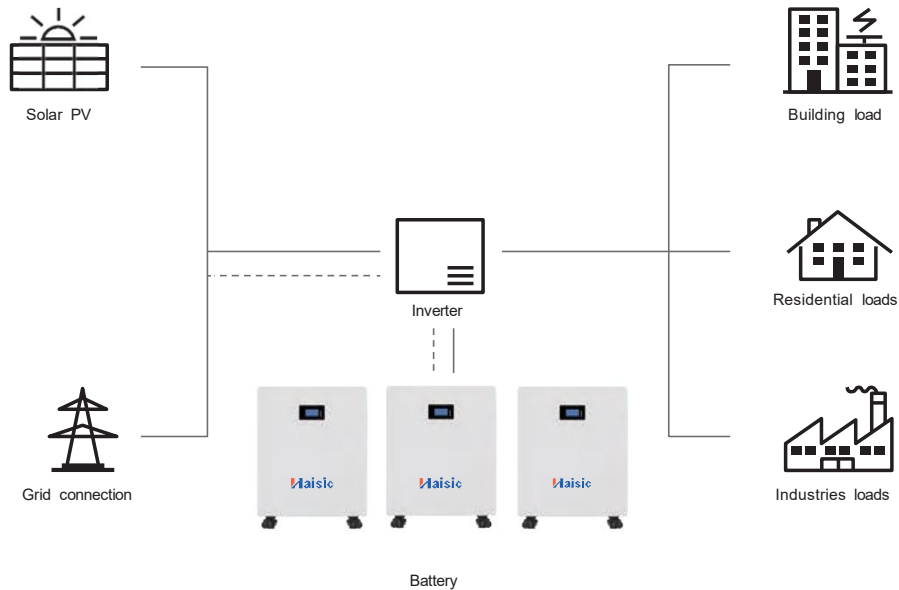
Display: LED+LCD

Terminal: M8

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

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

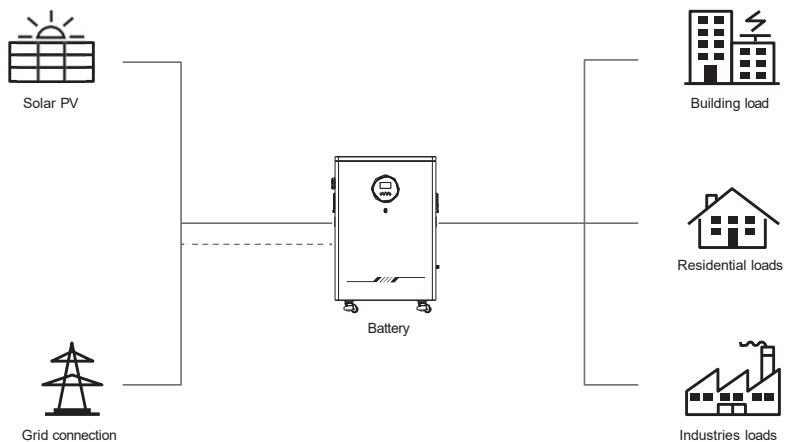
Certificate: CE, FCC, RoHs, MSDS, UN38.3



Model:

HS-YD10KW

Model: HS-YD10KW
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: 50A
Max Charge Current: 100A
Max Discharge Current: 100A
Output Peak power: Max 6000W peak
Battery Type: LiFePO4 200Ah*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: $\approx 110.4\text{kg}$
Dimension: L580*W275*H825mm(Height including base)
Color: Dark gray+White



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

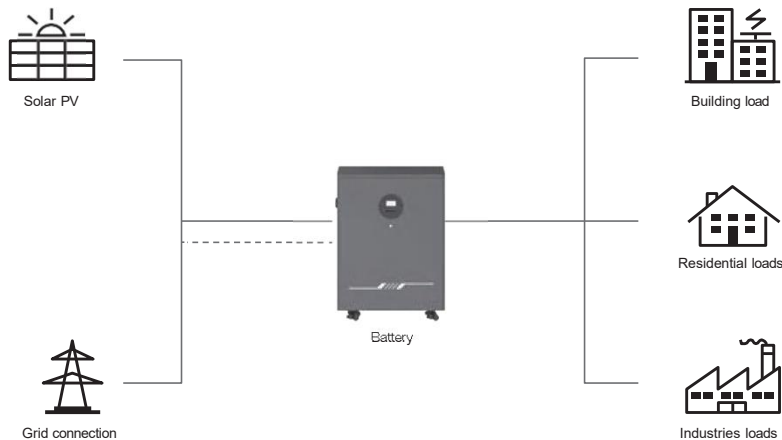
Indicator: LCD screen to show AC volt, power percentage, Frequency Hz.

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-JT5000W-A2 with built-in inverter INVERTER 5KW+BATTERY 10KWH

(All-in-one design)

Battery:

Rated Voltage: 51.2V

Rated Capacity: 100Ah

Battery Type: LiFePO4 100Ah*16PCS 16S1P

Rated Energy: 5120Wh*2PCS, 10240Wh

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

Certificate: CE,FCC,MSDS,UN38.3

Inverter:

MPPT PV Input: 120-500V 5500W*1PCS

AC output: Single phase AC 220V 5000W Pure sine wave

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

Output frequency :50-60(Hz)

Product weight: 118KG

Dimension: 580*478*596mm



Solar PV



Building load



Residential loads



Industries loads



Grid connection



Model:

HS-JT5000W-A2 with built-in inverter INVERTER 10KW+BATTERY 20KWH

(All-in-one design)

Battery:

Rated Voltage: 51.2V

Rated Capacity: 100Ah

Battery Type: LiFePO4 100Ah*16PCS 16S1P

Rated Energy: 5120Wh*4PCS, 20480Wh

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

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

:

MPPT PV Input: 120-500V 11000W*2PCS

AC output: Single phase AC 220V 10000W Pure sine wave

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

Output frequency :50-60(Hz)

Product weight: 228KG

Dimension: 580*478*1082mm



Back of the inverter



Back of the battery



Solar PV



Building load



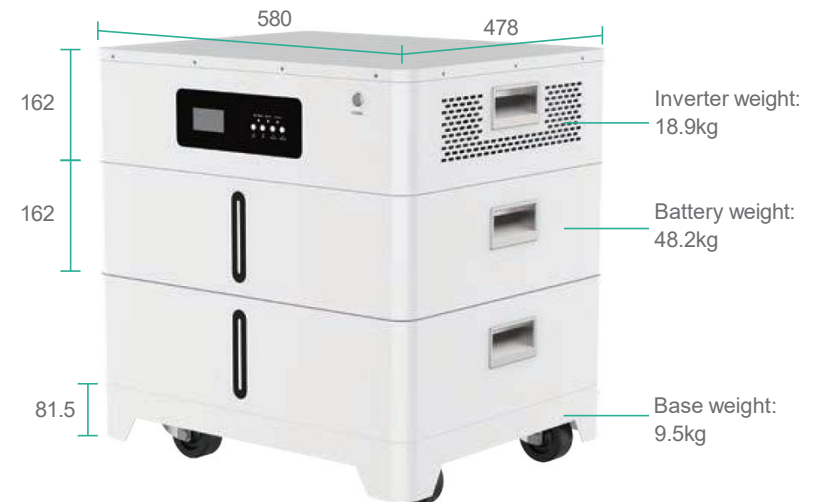
Residential loads



Industries loads



Grid connection



Model:

HS-JT5000W-A2 with built-in inverter INVERTER 15KW+BATTERY 30KWH

(All-in-one design)

Battery:

Rated Voltage: 51.2V

Rated Capacity: 100Ah

Battery Type: LiFePO4 100Ah*16PCS 16S1P

Rated Energy: 5120Wh*6PCS, 30720Wh

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

Certificate: CE,FCC,MSDS,UN38.3

Inverter

MPPT PV Input: 120-500V 16500W*3PCS

AC output: Three-phase AC 380V 16500W Pure sine wave

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

Output frequency :50-60(Hz)

Product weight: 336KG

Dimension: 580*478*1730mm



Solar PV



Building load



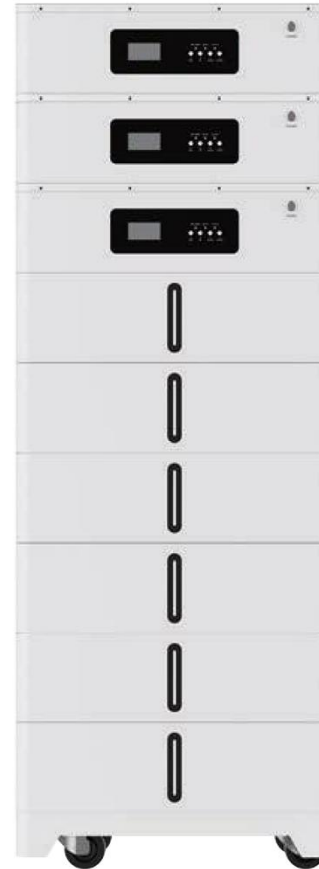
Residential loads



Industries loads



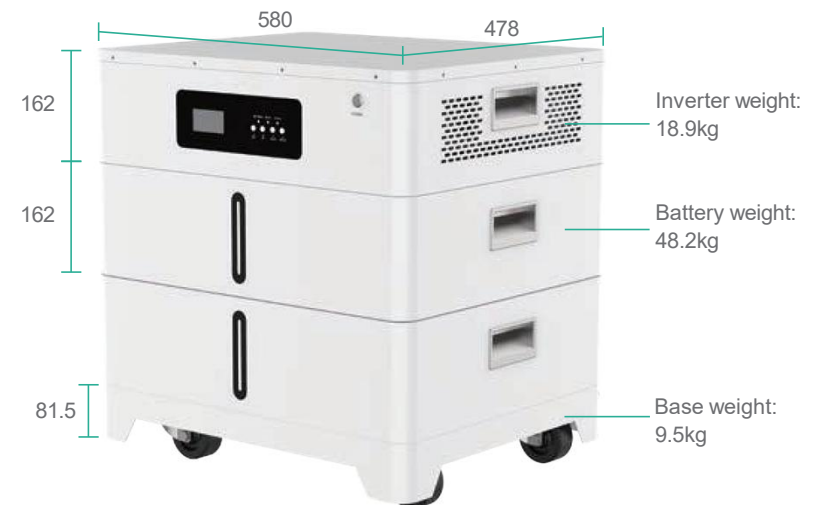
Grid connection



Back of the inverter



Back of the battery



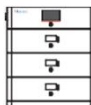
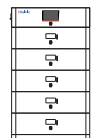
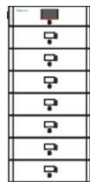


Stackable

Energy storage battery with built-in inverter

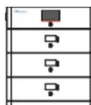
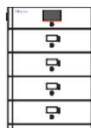
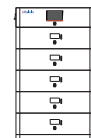
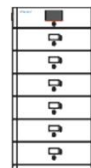
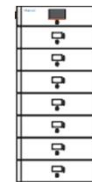
Model:

HS-JT3500W (All-in-one design)

Type/Parameter	HS-JT3500WP2	HS-JT3500WP3	HS-JT3500WP4	HS-JT3500WP5	HS-JT3500WP6	HS-JT3500WP7
System Schematic						
Battery Module Type	HS-JT3500W					
Module Number	2	3	4	5	6	7
Rated Voltage（V）	51.2					
Rated Capacity(Ah)	70					
Voltage Range（V）	44.8-56					
Rated Energy（Wh）	7168	10752	14336	17920	21504	25088
Standard Discharge Current（A）	150	150	150	150	150	150
Single-phase hybrid inverter						
EPS Rated power（W）	5500					
AC output voltag（V）	220-240					
PV Max. power（W）	6000					
MPPT voltage range（V）	160~450					
Output frequency (Hz)	50Hz/60Hz					
Display	4.3 inch touch IPS LCD					
Physical Parameter						
Dimension:(L*W*H)	530*445*470	530*445*602	530*445*734	530*445*866	530*445*998	530*445*1130
Weight（kg）	78	111	144	177	210	243
IP	IP55					
Charge Temperature Range（℃）	0~45					
Discharge Temperature Range（℃）	-20-60					
Installation Method	Floor-mount					
Service Life						
Cycle Life	>6000（0.5C @25℃， 80% DOD）					
Certification						
Safety & Certification	CE,FCC, ROHS					
Transportation	UN38.3					

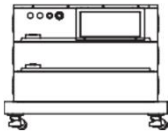
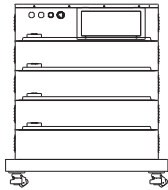
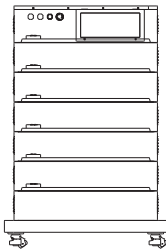
Model:

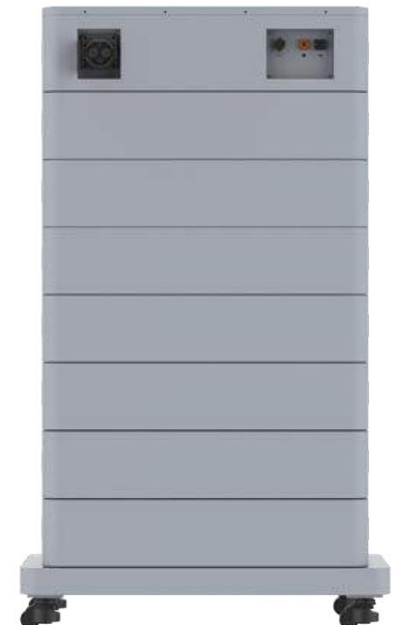
HS-JT5000W (All-in-one design)

Type/Parameter	HS-JT5000WP2	HS-JT5000WP3	HS-JT5000WP4	HS-JT5000WP5	HS-JT5000WP6	HS-JT5000WP7
System Schematic						
Battery Module Type	HS-JT5000W					
Module Number	2	3	4	5	6	7
Rated Voltage（V）	51.2					
Rated Capacity(Ah)	100					
Voltage Range（V）	44.8-56					
Rated Energy（Wh）	10240	15360	20480	25600	30720	35840
Standard Discharge Current（A）	150	150	150	150	150	150
Single-phase hybrid inverter						
EPS Rated power（W）	5500					
AC output voltag（V）	220-240					
PV Max. power（W）	6000					
MPPT voltage range（V）	160~450					
Output frequency (Hz)	50Hz/60Hz					
Display	4.3 inch touch IPS LCD					
Physical Parameter						
Dimension:(L*W*H)	580*500*530	580*500*692	580*500*854	580*500*1016	580*500*1178	580*500*1340
Weight（kg）	116	168	220	272	324	376
IP	IP55					
Charge Temperature Range（℃）	0~45					
Discharge Temperature Range（℃）	-20-60					
Installation Method	Floor-mount					
Service Life						
Cycle Life	>6000（0.5C @25℃， 80% DOD）					
Certification						
Safety & Certification	CE,FCC, ROHS					
Transportation	UN38.3					

Model:

HS-JT9600W-HA1

System Schematic			
Battery Module Type	HS-JT9600W-HA1		
Module Number	2	4	6
Rated Voltage（V）	96		
Rated Capacity(Ah)	100		
Voltage Range（V）	84-105		
Rated Energy（Wh）	19200	38400	57600
Standard Discharge Current（A）	100		
Recommended charging current (A)	50		
Maximum charging current (A)	100		
Operating Voltage (V)	168-210	336-420	504-630
Heat Dissipation Mode	Air-cooled (temperature-controlled on)		
Display	LCD touch screen		
Physical Parameter			
Dimension:(L*W*H)Height without wheels	820*590*614	820*590*950	820*590*1286
Weight（kg）	≈230	≈407	≈584
IP	IP44		
Charge Temperature Range（℃）	0~45		
Discharge Temperature Range（℃）	-20-60		
Installation Method	Floor-mount		
Service Life			
Cycle Life	>6000（0.5C @25℃， 80% DOD）		



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℃, 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℃, 80% DOD)
Compatible inverter: Growatt, Goodwe, Sol-Ark, SRNE, DEYE
Certificate: CE,FCC,RoHS,MSDS,UN38.3



Model:

HS-GS5000W SE

Low-voltage battery

Rated Voltage: 48V

Rated Capacity: 100Ah

Rated Energy: 4800Wh

Voltage Range: 37.5-54.75V

Charge Voltage Range: 52-55V

Cut-off Voltage: 37.5V

Recommend Charge Current: 50A

Max Charge Current: 100A

Max Discharge Current: 100A

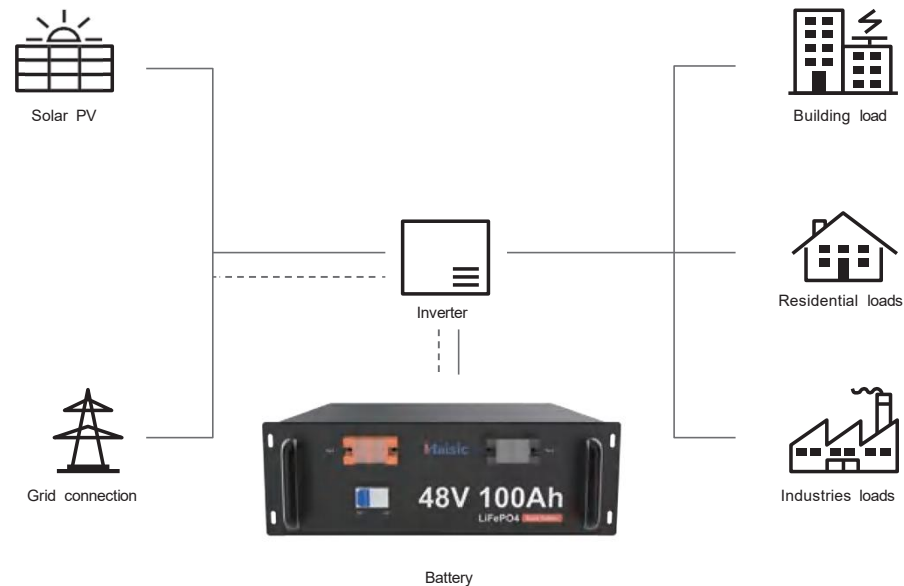
Dimension L*W*H: 490*502*160mm

Weight: 39.5kg

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

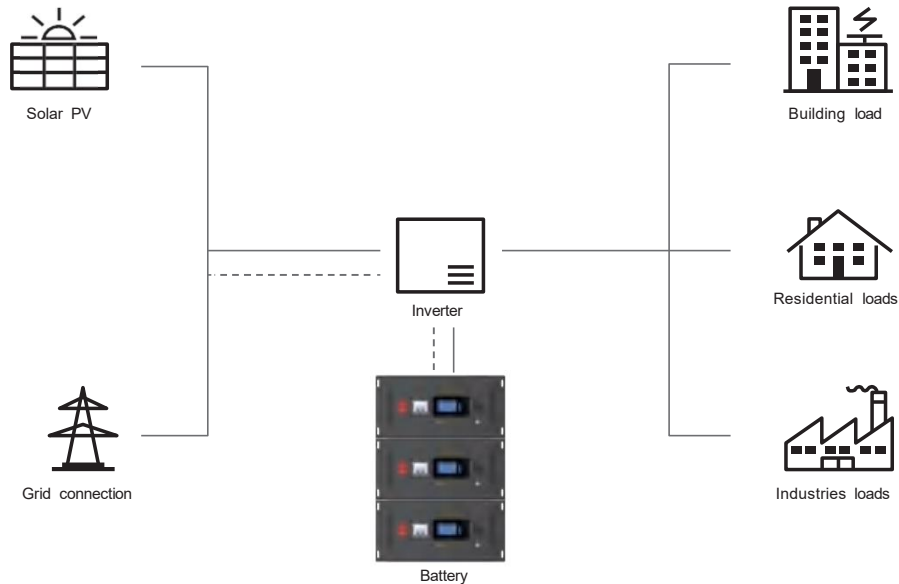
Display: LED+LCD

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



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})	(Standard ⁸ _{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) ¹		18.432	36.86	55.29
Charge/Discharge ² 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 ³		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.



04

Electric Power Pack



Electric power packs have zero emissions at point of use, making them safe for any environment.

With zero emissions of CO₂, NO_x and particulates, the power packs are able to work indoors and underground.

By using the most energy dense Lithium-Ion technology, Electric power packs provide the maximum available power in the smallest package.

SINGLE PHASE OUTPUT
230V

OUTPUT CAPACITY
8kW

BATTERY TYPE
LITHIUM-ION



60 kVA Battery Storage

- Intelligent on board energy control module that communicates with the generator
- Flexible maneuverability with dual rotatable lifting ring (2 Point Lift), forklift pockets, lift and drag skid and lifting ring
- Designed and assembled to Aggreko's standards
- Wide ambient temperature range
- Charge time within a nominal temperature range is approximately three hours



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



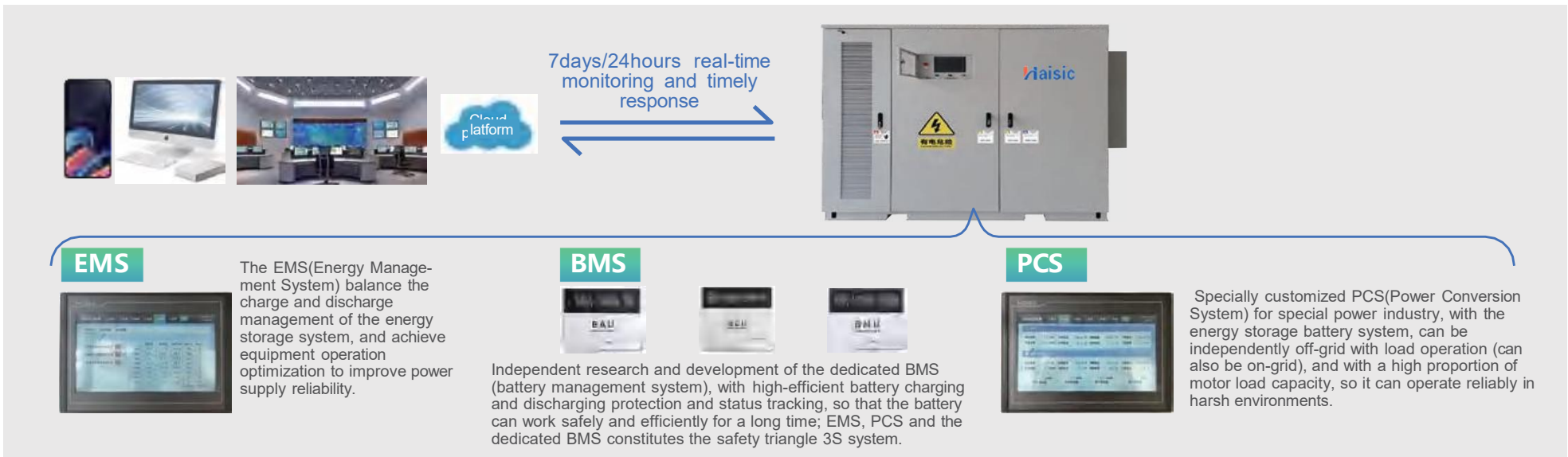
Commercial Buildings



Microgrids



Core advantages



Revenue model analysis

The energy storage is charged at night when the price is at valley stage, and discharges during the daytime when the power consumption is at peak, so as to achieve peak-valley arbitrage and save cost. In addition to peak-valley arbitrage, commercial & industrial ESS can also meet certain emergency power needs. On the other hand, it also reduces the power balance pressure of the grid to a certain extent.

Value of the ESS

- | | | | |
|---------------------------|---|------------------------|--|
| New energy On-grid | Smooth photovoltaic power generation and promote the consumption and adoption of renewable energy | Expand capacity | Realize expansion of capacity, saving capacity cost and cable expansion cost |
| Peak-load shifting | By peak-load shifting, peak-valley difference profit is realized | Virtual grid | Multiple photovoltaic ESS are aggregated to achieve autonomous coordination and optimal control, and participate in power system operation and power market trading. |
| Balanced load | Ease the impact of peak power consumption on the power grid | | |

Practical application



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*1350*2340mm	1450*1350*2340mm*2	1450*1350*2340mm*3	1450*1350*2340mm*4	1450*1350*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



HS300

Capacity: 294.4Wh
Output Peak power: 600W Max
Battery Type: LiFePO4 23Ah*4PCS 4S1P
Input: DC 12-24V, (60W AC adapter)
MPPT PV Input: DC 12-30V Max 100W
USB Output 1: QC3.0(5V-12V) 18W*3
USB Output 2: TYPE C: PD18W
AC output: AC 110V/220V 300W Pure sine wave output *1
DC output: 12V/10A*2
Cigarette Lighter Output: 12V/10A
LED light: YES
Indicator: LCD screen to show capacity status
Charging time: 5-6hours
Shell material: Fireproof PC+ABS, Aluminum Alloy
Product weight: 3.6KG
Dimension: 212*151*183mm
Color: Black+Grey
Certificate: CE,FCC,ROHS,PSE,SP188,UL2743,MSDS,UN38.3
Box size: 289*224*267mm
Packing accessories: AC adapter, User manual



HS600

Capacity: 648Wh
Output Peak power: 650W max
Battery Type: Li-ion BAK 3000mAh*60pcs,
6S10P/ LiFePO4 25Ah*7pcs, 7S1P(optional)
Input: DC 12V-24V, 5-6.5A(150W MAX), adapter: 120W
MPPT PV Input: DC 12-30V Max 100W
USB Output1: TYPE C: PD60W
USB Output2: TYPE C: PD18W
USB Output3: QC3.0(5V-12V) 18W *3
AC output: AC 110V/220V 600W Pure sine wave output*2
Cigarette Lighter Output: 12V/10A
LED light: YES
Indicator: LCD screen to show capacity status
Charging time: 6-7hours
Product weight: 6.4KG
Dimension: 295*169*155mm
Certificate: CE, FCC, ROHS, PSE, MSDS, UN38.3
Packing accessories: AC adapter, Cigarette charge cable, User manual



HS1001

Capacity: 1166.4Wh
 Output Peak power: 1300W max
 Battery Type: Li-ion 21700 4500mAh*72PCS 6S12P
 Input 1: DC 12V-30V (120W AC adapter)
 Input 2: Anderson port for solar panel 100-150W
 USB Output1: TYPE C: PD100W
 USB Output2: TYPE C: PD27W
 USB Output3: 5V/2.4A*2
 USB Output4: QC3.0(5V-12V) 18W*2
 AC output: AC 110V/220V 1000W Pure sine wave output*3
 DC output: 12V/10A*2
 Cigarette Lighter Output: 12V/10A
 Wireless charge: 5V/2A 10W
 LED light: NO
 Indicator: LCD screen to show capacity status
 Charging time: 9-10hours
 Product weight: 11KG
 Dimension: 340*236*206mm
 Certificate: CE, FCC, ROHS, PSE, MSDS, UN38.3
 Packing accessories: AC adapter, Cigarette charge cable, User manual



HS1200

Capacity: 1050Wh
 Output Peak power: 1300W MAX (60S PROTECTION)
 Battery Type: LiFePO4 20Ah*16pcs (8S2P)
 Input: AC Input 850w
 PV Input: 11-50V 12A 400W
 USB Output1: TYPE C: PD100W *1
 USB Output2: TYPE C: PD45W *2
 USB Output3: USB: 5V/2.4A *2
 USB Output4: USB: QC3.0(5V-12V) 18W *1
 AC output1~6: 3PORT , AC 110V/220V 1000W Pure sine wave output
 Cigarette Lighter Output: 12v 8.3A 100W
 Wireless charge 15W
 Indicator LCD screen to show capacity status
 Charging time 1-2HOURS
 Shell material Fireproof PC+ABS
 Product weight 15.5kg
 Dimension 366*320*266mm
 Color: Black
 Certificate: CE,FCC,ROHS,PSE,MSDS,UN38.3
 Packing accessories: AC charge cable, User manual



HS-YD1KW

1280Wh storage battery with built-in inverter

Rated Voltage (V): 12.8V
Capacity: 1280Wh
Output peak power: Maximum 3000W Peak 20S
Battery Type: LiFePO4 100Ah*4PCS 4S1P
AC Input: 438W
MPPT PV Input: $\leq 50V$ 720W
AC Output: AC 220V 1000W Pure sine wave
Indicator: LCD display AC voltage, power percentage, frequency Hz.
Charging time: 3-4 hours
Enclosure Material: Metal
Product weight: 45KG
Dimensions: 423x260x453mm
Colour: BLACK
Certificate: CE,FCC,MSDS,UN38.3
Packaging accessories: AC Charging Cable, PV Charging Cable



HS-YD2KW

2560Wh storage battery with built-in inverter

Rated Voltage (V): 25.6V
Capacity: 2560Wh
Output peak power: Maximum 6000W Peak 20S
Battery Type: LiFePO4 100Ah*8PCS 8S1P
AC Input: 876W
MPPT PV Input: $\leq 145V$ 1752W
AC Output: AC 220V 2000W Pure sine wave
Indicator: LCD display AC voltage, power percentage, frequency Hz.
Charging time: 3-4 hours
Enclosure Material: Metal
Product weight: 86KG
Dimensions: 430x380x534mm
Colour: BLACK
Certificate: CE,FCC,MSDS,UN38.3
Packaging accessories: AC Charging Cable, PV Charging Cable



HS2000

Capacity: 1997Wh
Output Peak power: Rated 2000W, Peak 4000W
Battery Type: LiFePO4 13000mAh*3*3.2V*16 16S3P
Input 1: AC Input 1100w
Input 2: DC Anderson 500w
USB Output1: QC3.0(5V-12V) 18W*2
USB Output2: 5V/2.4A*2
USB Output3: TYPE C:PD100W*2
AC output: AC 110V/220V 2000W Pure sine wave output*6
DC output: 12V/3A*2(DC5521)
XT-60 output: 12V/25A
Cigarette Lighter Output: 12V/10A
LED light: YES
Indicator: LCD Screen to show capacity status
Charging time: About 2hours
Shell material: ABS+PC+Aluminum(Handle)
Product weight with box: 25kg
Dimension: 392*279*323mm
Certificate: FCC,CE,PSE,RoHS,UN38.3,MSDS
Packing accessories: AC charge cable, User manual



HS2001

Capacity: 2016Wh
Output Peak power: Rated 2000W, Peak 4000W
Battery Type: LiFePO4 15000mAh*3*3.2V*42 14S3P
Input 1: AC Input 1600w
Input 2: DC Anderson 11-50V 12A Max 400w
USB Output1: QC3.0(5V-12V) 18W*2
USB Output2: 5V/2.4A*4
USB Output3: TYPE C:PD45W*2
USB Output3: TYPE C:PD65W
AC output: AC 110V/220V 2000W Pure sine wave output*3
Cigarette Lighter Output: 12V/8.3A
Indicator: LCD Screen to show capacity status
Charging time: About 2hours
Shell material: ABS+PC+Aluminum(Handle)
Product weight with box: 25kg
Dimension: 470.5*289*366mm
Certificate: FCC,CE,PSE,RoHS,UN38.3,MSDS
Packing accessories: AC charge cable, User manual



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,Frenquency Hz.
Charging time: 2-3hours
Shell material: Engineering PP
Product weight: 39KG
Dimension: 570x425x280mm
Cycle Life: >6000 (0.5C@ 25℃, 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

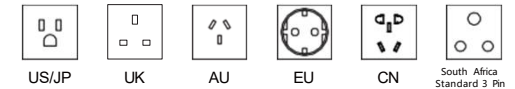
Product weight: 59KG

Dimension: 643x505x314mm

Cycle Life: >6000 (0.5C@ 25℃, 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



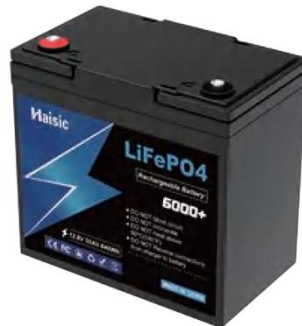
HS-12.8V15AH



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



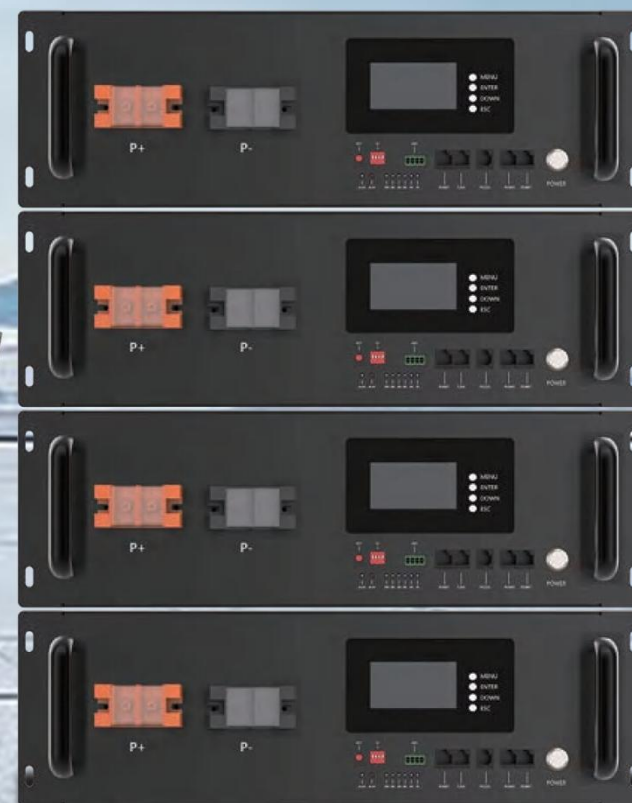
12.8V 270Ah
LiFePO4 battery for marine



12.8V 185Ah
LiFePO4 battery for marine

08

ODM OEM battery



Model:

HS-CC01

Voltage:51.2V

Capacity:200AH

Charge:57.6V≤100A

Discharge:57~45V≤300A

Cell:LiFePO4

Size:723*600*346mm

Weight:88KG

OEM/ODM:YES

Cycle Life: >4000 (0.5C @25°C, 80% DOD)



Model:

HS-CC02

Voltage:51.2V

Capacity:300AH

Charge:57.6V≤100A

Discharge:57~45V≤300A

Cell:LiFePO4

Size:723*600*346mm

Weight:131KG

OEM/ODM:YES

Cycle Life: >4000 (0.5C @25°C, 80% DOD)

Model:

HS-CC03

Voltage:76.8V

Capacity:150AH

Charge:86.4V, ≤80A

Discharge:86~67V, ≤250A

Cell:LiFePO4

Size:723*600*346mm

Weight:98KG

OEM/ODM:YES

Cycle Life: >4000 (0.5C @25°C, 80% DOD)



Model:

HS-CC04

Voltage:76.8V

Capacity:200AH

Charge:86.4V, ≤80A

Discharge:86~67V, ≤250A

Cell:LiFePO4

Size:723*600*346mm

Weight:131KG

OEM/ODM:YES

Cycle Life: >4000 (0.5C @25°C, 80% DOD)

Model:

HS-FC01

Voltage:51.2V

Capacity:200AH

Charge:57.6V≤100A

Discharge:57V-45V≤120A

Cell:LiFePO4

Size:510*380*240mm

OEM/ODM:YES

Communication Port: RS485, CAN

Cycle Life: >4000 (0.5C @25℃, 80% DOD)



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℃, 80% DOD)

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

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

