



JSDSOLAR

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American Version

ENERGY STORAGE PRODUCT AND SOLUTION

Joy Sunny Day With JSD

JSDSOLAR

COMPANY PROFILE



JSDSolar was founded in 2005, covers an area of more than 6000 square meters, is one of the China's high-tech enterprises, a vibrant and fast-growing international company and as a leader in the solar energy industrial.

JSDSOLAR as a leading one-stop solar systems solution supplier ,has enough experience on project design, quality control, technical guidance ,installation instructions and after-sales services. It's focusing on providing solar home storage system, industrial and commercial energy storage systems, integrating the R&D, production and sales of solar inverters and lithium batteries.

JSDSOLAR is committed to becoming a leading brand of solar residential energy storage systems in the world, build a smart energy management systems, build a green efficient energy environment, and illuminate every family with smart energy storage.

PROFILE PHOTOS



- ✓ **12+**
Experience in solar system
production and manufacturing
- ✓ **30+**
R&D team
- ✓ **Won**
National high-tech enterprise
- ✓ **50+**
Product patents

- ✓ **150,000+**
Annual output of inverters
- ✓ **5+**
Years The system operates
stably and safely without fault
- ✓ **100,000+**
Application cases of solar home
system
- ✓ **150+**
Countries for business

CULTURE



Vision

Become the most competitive international solar system corporation



Mission

Power every home with smart solar energy



Business Philosophy

Be reliable, strong, big, good and long



Values

Honest and trustworthy, people-oriented, innovative development



- ✓ China's excellent solar system brand enterprise
- ✓ National high-tech enterprise
- ✓ Benevolent Enterprise
- ✓ Won the advanced design award of solar system products

HONOR





PRODUCT CREATION CONTROL

- ▶ Strict material screening
- ▶ Precision machining equipment
- ▶ Quality inspection center
- ▶ Technology R&D team
- ▶ Final assembly inspection
- ▶ Strict production control

OVERSEAS SALES TEAM

Professional / Energetic / Attentive / Dreamy

We are a team with dreams. We come from all over the world because of a common dream: to be a truly excellent intelligent solar system enterprise and provide users with the most perfect solar system products and services.

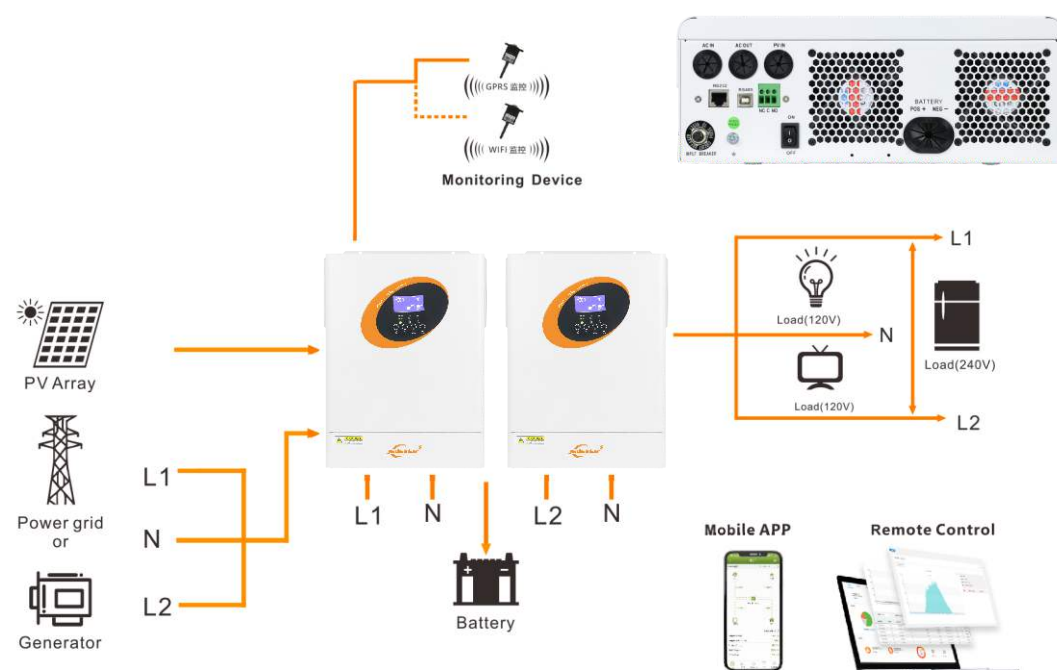




US STANDARD FROM 3.6KW TO 21.6KW SINGLE-PHASE OFF-GRID SOLAR INVERTER

◇ Technical Parameters:

Model	JB3K6LP
Capacity	3600W
Parallel Capacity	YES, 6 units
Input	
Nominal Voltage	110 / 120VAC
Acceptable Voltage Range:	95-140 VAC (for personal computers), 65-140 VAC (for household appliances)
Frequency	50/60HZ (automatic detection)
Output	
Nominal Voltage	110/120 VCA 220/240 VCA (2 or more units in parallel)
Surge Power	6000VA
Frequency	50Hz/60Hz
Waveform	Pure sine wave
Transfer Time	10 ms (for personal computers); 20 ms (for household appliances)97%
Maximum Efficiency (from PV to INV)	97%
Maximum efficiency (from battery to INV)	93%
Overload protection	5s@>= 150% load;10s110%-150% load
Crush factor	3:1
Permissible power factor	0.6-1 (inductive or capacitive)
Battery	
Battery voltage	48 VDC
Floating charge voltage	54 VDC
Overload protection	63 VDC
Charging method	DC/CV
SOLAR CHARGE AND AC CHARGE	
Solar charge type	MPPT
Maximum power of the photovoltaic array	4000W
Maximum open-circuit voltage of the photovoltaic array	500 VDC
MPPT voltage range of the photovoltaic array	120VDC~450 VDC
Maximum solar input current	22A
Maximum solar charge current	80A
Maximum AC charge current	60A
Maximum charge current	80A
Communication interface	USB/RS232/Dry contact
Environment	
Operating temperature	(-10℃~50℃)
Storage temperature	(-15℃~60℃)
Humidity	5 % to 95 % relative humidity (non-condensing)

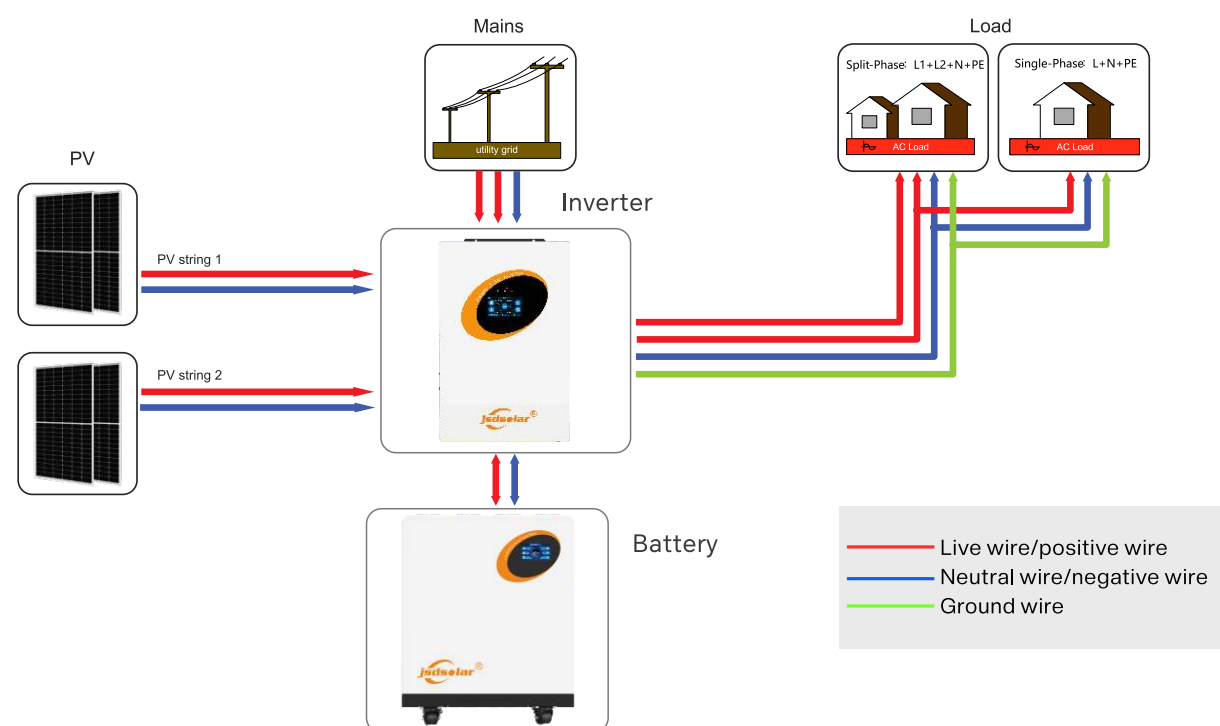




7.2KW SPLIT-PHASE HYBRID SOLAR INVERTER (120/240V | 51.2V BATTERY)

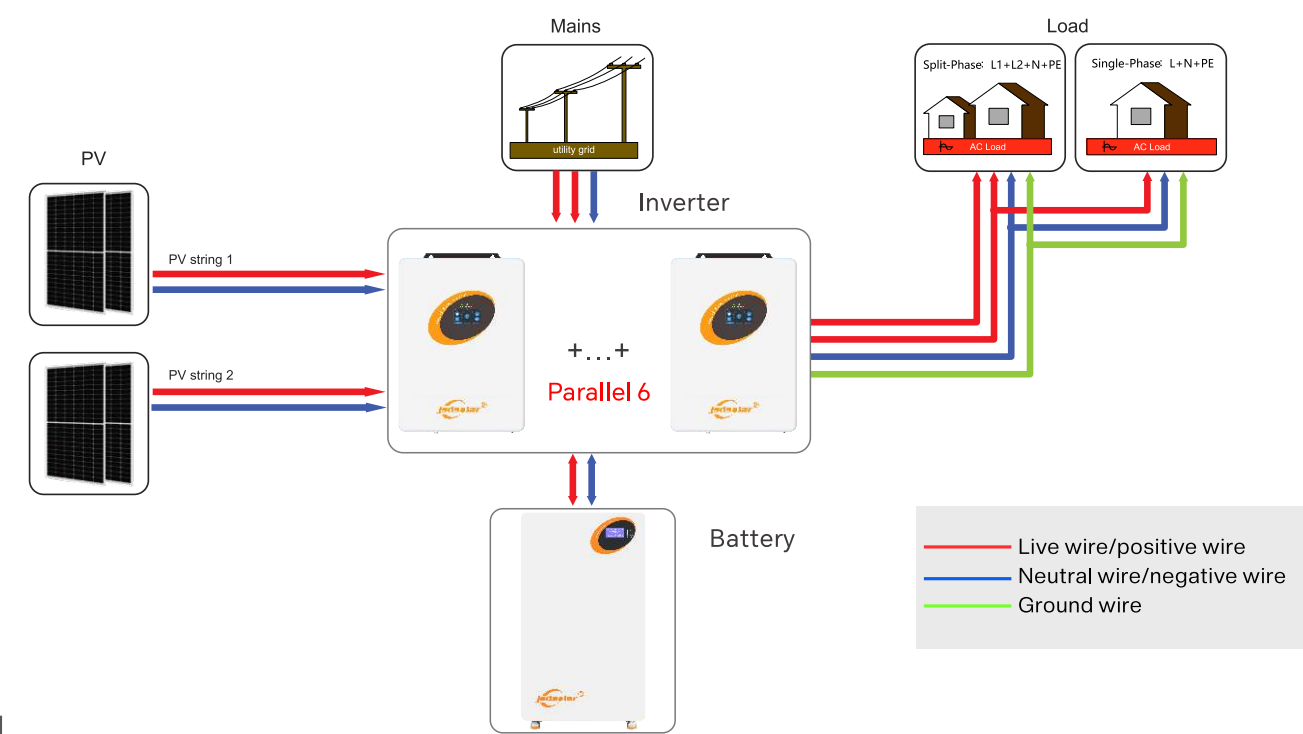
◇ Technical Parameters:

Model	J7200KS-US
Utility mode	
Nominal input voltage	120(L1/N, L2/N)/240Vac(L1/L2)
Input voltage range	(85Vac~140Vac) ± 2%
Frequency	50Hz/60Hz (auto detection)
Maximum efficiency	>95%
Transfer time (Bypass <-> inverter)	10ms (typical)
Maximum bypass overload current	2pole, 40A/40A(L1/L2)
Inverter mode	
Output voltage waveform	Sinusoidal wave
Nominal output power (W)	Split phase 7200 6000 single phase
Nominal output voltage (Vac)	120Vac (L1/N, L2/N)/240Vac(L1/L2)± 5%
Output frequency range (Hz)	50Hz ± 0.3Hz/60Hz ± 0.3Hz
Maximum efficiency	>91%
Power increase	Split phase: 10800VA Single-phase: 10800VA
Motor load capacity	4HP
Bypass switch	40A/40A(L1/L2)
Utility load	
Compatible battery types	Lead acid or lithium
Maximum charging current (Configurable)	120A
Precision charging current	5Adc
Charging voltage range	40 -58.6Vdc
Circuit breaker specifications	2pole, 40A/40A(L1/L2)
PV load	
Max PV Open Circuit Voltage	500Vdc
MPPT voltage range	90Vdc~450Vdc
Max PV input power	4500W+4500W
Max PV input current	16A+16A
Maximum current load range	150A
Certification and environment	
Product certification	UL1741
EMC certification level	FCC part15, class B
Noise level	≤60dB
Communication interface	USB/RS485 (/WiFi/GPRS)/Dry contact control
Dimensions (L*W*H)	580mm*359mm*127mm
Weight (kg)	19KG



48V/12KW SPLIT PHASE HYBRID SOLAR INVERTER

(120/240V | 51.2V BATTERY)



◇ Technical Parameters:

Model	JB12KLP
Parallel mode	
Allowed parallel number	1~6
Alternating current mode	
Nominal input voltage	120(L1/N, L2/N)/240Vac(L1/L2)
Phase input voltage range	(85Vac~140Vac) ± 2%
Frequency	50Hz/60Hz (auto detection)
Efficiency	>95%
Conversion time	10ms (typical)
Maximum shunt phase current	2pole, 40A/40A(L1/L2)
Inverter mode	
Output voltage waveform	Sinusoidal wave
Nominal output power (W)	Split phase 12000 Single phase: 7200 (limited by cable terminals)
Nominal output voltage (Vac)	120Vac (L1/N, L2/N)/240Vac(L1/L2)± 5%
Output frequency range (Hz)	50Hz ± 0.3Hz/60Hz ± 0.3Hz
Maximum efficiency	>91%
Maximum power	Split phase: 18000VA Single phase: 18000VA
Motor load capacity	6HP
Bypass circuit breaker phase specification	2pole, 63A/63A(L1/L2)
Battery voltage range	40.0Vdc~58.6Vdc± 0.6Vdc
AC load	
Battery type	Lead acid or lithium battery
Maximum charging current	160A
Switch phase specifications	2pole, 60A/60A(L1/L2)
PV load	
Maximum photovoltaic open circuit voltage	500Vdc
MPPT voltage range	90Vdc~450Vdc
Battery voltage range	40-58.6Vdc
Maximum PV input power	9000W+9000W
Maximum PV input current	27A+27A
PV charging current (adjustable)	250A
Current specifications (AC charger + PV charger)	
Maximum charger current	0-250A
Certification specifications	
Certification	UL1741
EMC certification level	FCC part15, clase B
Noise	≤60dB
Communication interface	USB/RS485 (/WiFi/GPRS)/Dry contact control
Size (L*W*D)	620mm*450mm*132mm
Weight (kg)	23.8

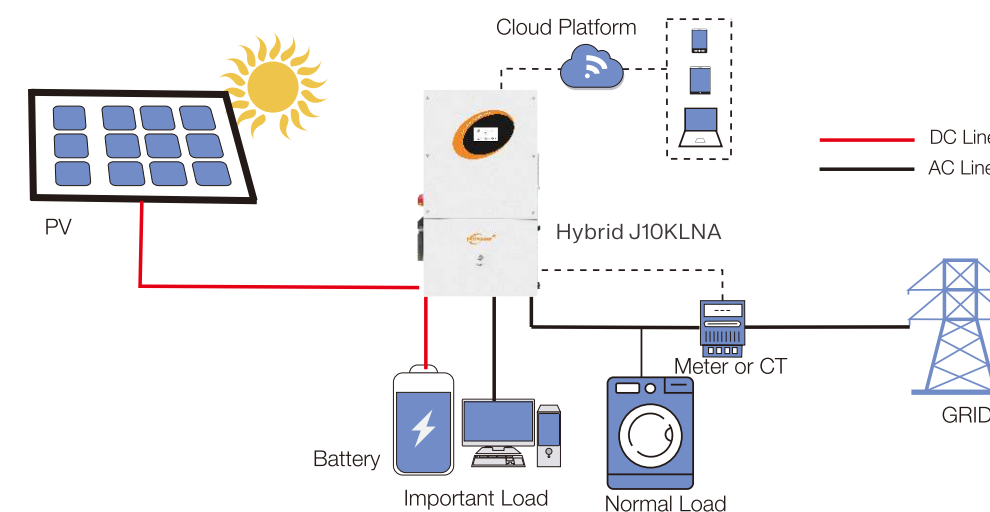
SPLIT PHASE 120V/240V HYBRID INVERTER (LOW BATTERY VOLTAGE)



◆ Product Features:

- Fashion appearance ,light weight ,smart operation .
- Natural cooling ,low noise.
- IP65 ,wall mounted design ,saving space.
- Touch screen LCD.

◆ Product Topology:



◆ Technical Parameters:

Model	J10KLNA
PV Input Data	
Max. DC Input Power	15KW
NO. MPPT Tracker	4
MPPT Range	120-500V
Max. DC Input Voltage	500V
Max. Input Current	14A
Max. Short Circuit Current	22A
Battery Input Data	
Nominal voltage (Vdc)	48V
Max. Charging/Discharging Current	190A/ 210A
Battery Voltage Range	40-60V
Battery Type	Lithium and Lead Acid Battery
AC Output Data (On-Grid)	
Nominal output power Output to Grid	10KVA
Max. Apparent Power Output to Grid	11KVA
Output Voltage Range	110-120/220-240V split phase, 10, 230 1 phase
Output Frequency	50/60Hz (45 to 54.9Hz / 55 to 65Hz)
Nominal AC Current Output to Grid	41.7A
Max.AC Current Output to Grid	45.8A
General Data	
Weight	48KG
Size (Width*Depth*Height)	450x 240x 820(mm)
Cooling	Natural Convection
Display	LED
Communication With BMS/ Meter/ EMS	RS485,CAN
Supported communication interface	RS485, WLAN, 4G (optional)
Safety	UL1741SA all options, UL1699B, CSA 22.2
Grid connection standards	IEEE 1547, IEEE 2030.5, Hawaii Rule 14H, Rule 21 Phase I, II, III



48V/12KW SPLIT PHASE HYBRID SOLAR INVERTER

(120/240V | 51.2V BATTERY)

◇ **Product Features:**

- 3 MPPTS: integrated 3 MPPTS for multiple array orientations
- Maximum battery charge/discharge current of 210A
- Supports high-power PV module with 30A input current
- Supports 40-64V lithium or lead-acid battery
- Max. 9 units in parallel for grid-connected and off-grid operation
- Supports smart charger/generator/AC coupling
- IP65: indoor or outdoor installation
- Integrated DC and AC switch for added safety and reliability
- Integrated arc fault circuit interruption (AFCI) and fast shutdown (optional)
- Smart management, local and remote monitoring
- 3 application modes, mixed with battery scheduling

◇ **Technical Parameters:**

Model	JS12KL
Efficiency	
Max. Efficiency (PV to AC)	98.00%
Input (PV)	
Max. Photovoltaic Energy	15KW
Max. PV Voltage	600V DC
Start-up Voltage	90V DC
MPPT Operating Voltage Range	70V-540V DC
Max. Input Current per MPPT	30A/22A/22A
Number of MPPTs	3
Input/Output (BAT)	
Battery type	Lithium-ion/lead-acid
Nominal battery voltage	48V
Battery voltage range	40V-60V
Max. Charge/discharge current	210A/210A
Max. Charge/discharge power	10,000W/10,000W
Output (Grid)	
Max. Apparent AC output power	12,000VA
Max. AC output current	57A
Nominal grid voltage	120/240V (split phase) / 208V (2/3 phase)VDC
Nominal grid frequency	50Hz/60Hz
Grid Frequency Range	45Hz-55Hz/55Hz-65Hz (adjustable)
Power Factor	Nominal power > 0.99 (adjustable power: 0.8 LG - 0.8 LD)
THDI	<3% (nominal power)
Output (Backup)	
Max. AC Output Power (PF=1)	12,000W
Apparent Power (1s)	20,000VA
Nominal Power Voltage	120/240V (split phase) / 208V (2/3 phase)VDC
Nominal Output Frequency	50Hz/60Hz
Transfer Time	<10ms (typical)
THDV	<3% @100% R Load
General	
Max. Operating Altitude	2000m
Ingress Protection Rating	NEMA 3R
Operating Temperature Range	-25°C~60°C(>45°C power reduction)
Relative Humidity	0~100%
Cooling Method	Smart cooling
Mounting	Wall mount
Dimensions (W*H*D)	16.5*31.1*10.0 inch(420mm*790mm*255mm)
Weight	44Kg/97lb
HMI&COM	
Display	4.3" touchscreen LCD
Communication Interface	CAN (for BMS), RS485 (for meter), RS485, CAN (for parallel), optional: Wi-Fi/LAN



5 KWH LIFEPO4 BATTERY STANDING

◇ **Product Features:**

- Grade A battery cell
- 3.2 V 100 AH battery cell with high energy capacity
- Display and button to show battery status
- Total energy extends up to 90KWH through parallel batteries
- Extended life cycle > 6000 cycles
- Active dual-core BMS for better charge and discharge balancing
- Maximum charge and discharge current: 100 A
- Certification: CE, UN38.3, FCC, UL1973

◇ **Technical Parameters:**

Model	LD48100
Nominal Voltage	51.2Vdc
Nominal Capacity	100Ah
Battery Energy	5120Wh
Charge Voltage	57Vdc
Dis charge Voltage	46Vdc
Nominal Charge/Discharge Current	50A
Nominal Charge/Discharge Power	2560W
Max Charge/Discharge Current	100A
Max Charge/Discharge Power	5120W
Short Circuit Current	350A/3ms
Communication	
Dis play	SOC status indicator ,LED indicator
Communication	RS485/RS232/CAN
General Specification	
Dimension(LxWxH)	363*165*574mm
Weight	42.5kg
Installation	Floor stand or Wall mounted
Charging Temperature Range	0℃~55℃
Discharge Temperature Range	-20℃~60℃
Operating /Storage/humidity	≤95%RH
Max Operating Altitude	≤2000m
IP Rating	IP21
Cell Technology	LiFePO4, Lithium Iron Phosphate
Cycle life	6000 Cycles @ 80%
Scalability	Max 15 batteries in parallel



8 KWH LIFEPO4 BATTERY STANDING

◇ Product Features:

- High energy density cell 3.2V 300Ah
- Popular LiFePO4 battery capacity: 8KWH
- Long cycle life >6000 cycles
- More balanced charging and discharging through smart BMS
- Store grid or solar energy
- Total energy extends up to 114KWH per parallel battery
- Package installation: power supply/wall

◇ Technical Parameters:

Modelo	LD24300
Nominal Voltage	25,6 Vdc
Nominal Capacity	314 Ah
Battery Energy	8038 Wh
Charge Voltage	28,4 Vdc
Discharge Voltage	23 Vdc
Nominal Charge/Discharge Current	75 A
Nominal Charge/Discharge Power	1920 W
Max Charge/Discharge Current	150 A
Max Charge/Discharge Power	3840 W
Short Circuit Current	350 A/3 ms
Communication	
Display	SOC status indicator,LED indicator
Communication	RS232/RS485/CAN
General Specification	
Dimension(WxDxH)	630 x 450 x 166 mm
Weight	57 kg
Installation	Floor stand or Wall mounted
Charging Temperature Range	0 °C~55 °C
Discharge Temperature Range	-20 °C~60 °C
Operating /Storage/humidity	≤95 % HR
Max Operating Altitude	≤2000 m
IP Rating	IP21
Cell Technology	LiFePO4, Lithium lion Phosphate
Cycle life	6000 Cycles 80 % DOD/25 °C/0,5 C, 60 % EOL
Scalability	Max 15 batteries in parallel



10 KWH LIFEPO4 BATTERY STANDING

◇ **Product Features:**

- Grade A battery cell
- 3.2 V 200 AH battery cell with high energy density
- Display and button to show battery status
- Parallel connection to expand battery capacity from 10 KWH to 150 KWH
- Extended life cycle > 6000 cycles
- Active dual-core BMS for better charge and discharge balancing
- Maximum charge and discharge current: 200 A
- Certification: CE, UN38.3, FCC, UL1973

◇ **Technical Parameters:**

Model	LD48200
Nominal Voltage	51.2Vdc
Nominal Capacity	200Ah
Battery Energy	10240Wh
Charge Voltage	57Vdc
Discharge Voltage	46Vdc
Nominal Charge/Discharge Current	100A
Nominal Charge/Discharge Power	5120W
Max Charge/Discharge Current	200A
Max Charge/Discharge Power	10240W
Short Circuit Current	540A/3ms
Communication	
Display	SOC status indicator, LED indicator
Communication	RS485/RS232/CAN
General Specification	
Dimension(WxDxH)	820*494*145mm
Weight	96.5kg
Installation	Floor stand or Wall mounted
Charging Temperature Range	0℃~55℃
Discharge Temperature Range	-20℃~60℃
Operating /Storage/humidity	≤95%RH
Max Operating Altitude	≤2000m
IP Rating	IP21
Cell Technology	LiFePO4, Lithium lion Phosphate
Cycle life	6000 Cycles @ 80% DOD/25℃/0.5C,60%EOL
Scalability	Max 15 batteries in parallel



STANDING 16KWH LIFEPO4 BATTERY

◇ **Product Features:**

- High energy density 3.2V 314Ah cell
- Popular LiFePO4 battery capacity:16KWH
- Long life cycle time >6000 cycles
- Charge and discharge more balance via smart BMS
- Store energy from the grid or solar
- Total energy extends to 240KWH by parallel battery packs
- Installation: Mobile battery
- Monitor and Optimize by Smartphone App / computer (optional)



◇ **Technical Parameters:**

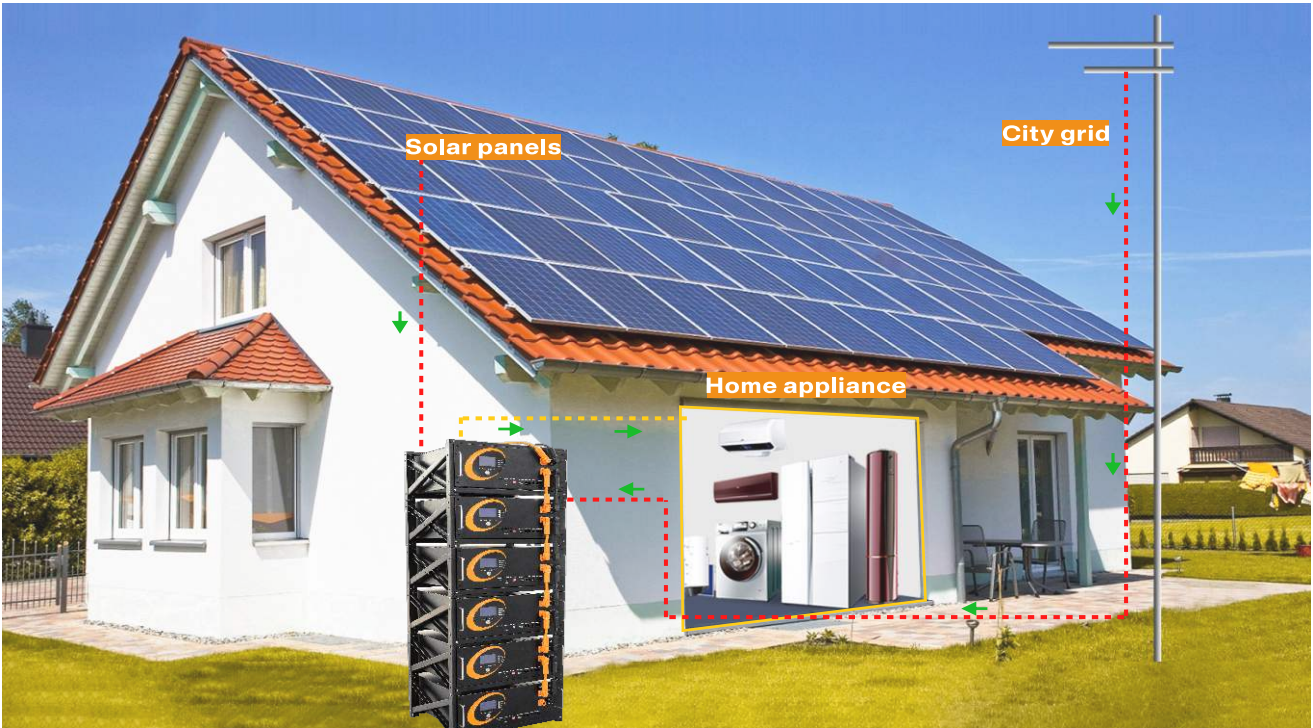
Model	LD48314
Total energy	16KWh
Battery type	Rechargeable Li-ion battery
Normal voltage	51.2V
Normal capacity	314Ah
Maximum charge/discharge current	200A
Cycle life	> 6000 cycles
Communication interface	CAN / RS232 / RS485 / Bluetooth
Dimensions	560*235*700mm
Weight	118kg
Grade	IP21
Inverter	Compatible with all brands of hybrid and offline inverters in the world
Warranty	5 years
Supply capacity	5000 pieces per month
Certificates	CE, RoHS,UN38.3,MSDS,ISO

4U LIFEPO4 BATTERY



◆ Product Features:

- Multi-level energy management, long battery life cycle times >6000 cycles
- Quick terminal plug ,cost & time saving and installation firmly
- Multiple parallels support, high current charge and discharge
- Compatible with most of the available hybrid inverters / off grid inverter in the world
- Support multiple communication tools with RS232/RS485/CAN



◆ Technical Parameters:

Model	J4U48100
Total Energy	5KWh
Battery Type	LiFePO4
Normal Voltage	51.2V
Normal Capacity	100Ah
Max.Charge/ Discharge Current	100A
Cycle Life	> 6000cycle
Communication Interface	RS232 / RS485 / CAN
Dimension(L*W*H)	482*430*200mm
IP Grade	IP21 & IP65
Inverter	Match all hybrid and off grid inverter brands in the world
Installation	Built-in Cabinet / On the floor
Warranty	5 years
Pack Impedance(without BMS)	< 20mΩ
Upper charge voltage	57V
Lower Discharge voltage	46V
Operating Temperature	charge:0~55℃ discharge :-15~55℃
Operating Humidity	5%~95% RH
Storage Temperature	-20~55℃(Long-term storage at high temperatures (>=35℃) is not recommended.)

SOLAR POWER SYSTEMS

POWER WALL SOLAR HOME SYSTEM



◆ Product Features:

- 3.6KW to 21.6KW solar home system option
- Off grid main power connected type
- System Type: Off-grid
- 3.6KW parallel inverter
- Power wall 5KWH LiFePO4 battery
- Mono 182 10BB half-cell solar panel
- Pitched/flat roof and ground mounting bracket option
- Power distribution box with air breaker
- Accessories

US OFF GRID SOLAR HOME SYSTEM



◇ Product Features:

- 12KW-72KW solar home system option
- System Type: Off-grid
- 12KW 120V/240V 50/60Hz Off-grid inverter
- 10KWH LiFePO4 battery
- Mono 182 10BB half-cell solar panel
- Pitched/flat roof and ground mounting bracket option
- Power distribution box with air breaker
- Accessories

US HYBRID SOLAR HOME SYSTEM



◇ Product Features:

- 10KW to 30KW solar home system option
- System Type: Hybrid
- 10KW 120V/240V split phase hybrid inverter
- 10KWH LiFePO4 battery
- Mono 182 10BB half-cell solar panel
- Pitched/flat roof and ground mounting bracket option
- Power distribution box with air breaker
- Accessories

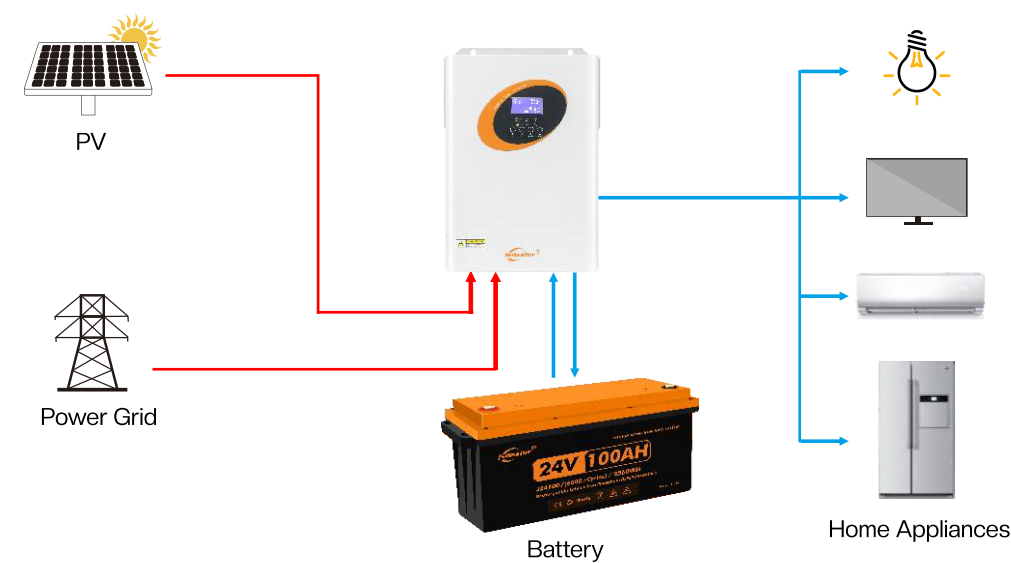


12V100AH/ 12V200AH/24V100AH LFP LI-ION BATTERY (6000+)

Product Features:

Lithium Iron Phosphate LiFePO4 Battery pack
unique Triple-safety protection with high performance and prominent long life,with 20 times longer cyclic life than SLA battery to save cost and energy, up to 50% lighter than SLA battery to save logistic cost (Anti-thief system + GPS as optional).

Application:



Technical Parameters:

Model	J12100	J12200	J24100
Nominal voltage [V]	12.8	12.8	25.6
Nominal capacity [Ah]	100	200	100
Total energy [Kwh]	1.28	2.56	2.56
Product dimension [W*D*H]	260*168*215 mm	484*170*240 mm	484*170*240 mm
Product weight	9.5 Kg	18.5 Kg	18.5 Kg
Max. charging current [A]	100	200	100
Charge Mode	@0.2C(A) to 14.6V ,then @14.6V till charge current<0.05C(A) (CC,CV)		
Charging voltage [V]	14.6	14.6	29.2
Max. discharging current [A]	100	200	100
End of discharge voltage [V]	11.2	11.2	22.4
Protection class	IP65		
Operating humidity	0-95 %RH (No condensing)		
Operating temperature range	Charge: 0 ~ +50 °C Discharge: -20 ~ +55 °C		
Storage temperature range	-20 ~ +60 °C / -4 ~+140°F		
Communication interface	/		
BMS Functions	Cell Voltage/Current Balance, Temperature, MOSFETS		
Protection	Over voltage , Low voltage , Over current,Over Temperature, Low Temperature Short circuit		
Support Concatenation	Max 4 PCS	Max 4 PCS	Max 2 PCS
Support Parallel Connection	Max 4 PCS		



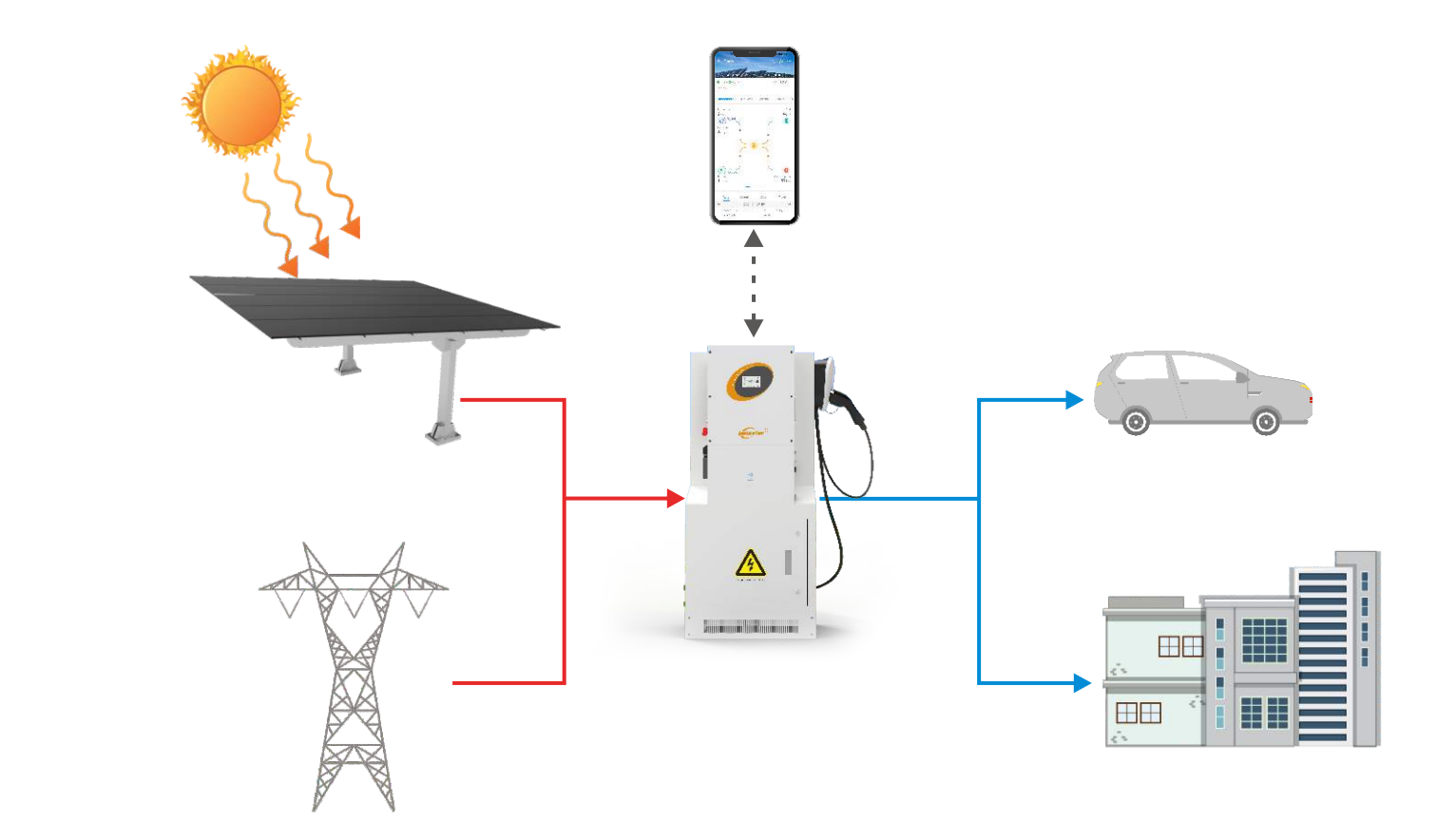
◇ **Product Features:**

- Colorful display interface
- All in one design to salve complicated cable connection procedures plug and play
- Portable handlebars and easy-mobiled wheels design
- Protection for Charging ,Discharging, Circuit Short/Open etc.
- High frequency solar inverter
- MPPT solar charge controller
- 6000cycles LiFePO4 batteries
- Double cooling fan to expand the Lifespan

◇ **Technical Parameters:**

Model		AU.P3K6B6	AU.P7k2B16
Battery rated voltage		51.2VDC	
Battery Capacity		6KWH	16KWH
Inverter	MAX AC input power	5000W	10KW
	AC input voltage	90~140VAC	85~140VAC(L1/N,L2/N) 170~280VAC(L1/L2)
	Rated output power	3600W	10KW
	Output voltage	120VAC	120VAC(L1/N,L2/N) 240VAC(L1/L2)
	Output frequency	50/60Hz auto	
MPPT PV Input	MPPT voltage range	90-260VDC	125V-425VDC
	Max PV input power	4000W	4.5+4.5KW
	Charge current range	0-80A	0-150A
	MPPT efficiency	99.5%	99.9%
	PV input voltage	80-300VDC	90-500VAD
Temperature control system		Smart fan	
Work environment temperature		-20 ~+50℃	
Operation/storage environment humidity		0-90% no condensate	
Product Size:W*L*H(mm)		500*205*741	560*1055*235
Product weight:(kg)		52	139

10KW SPLIT- PHASE +32KWH BATTERY SOLAR CARPORT SYSTEM



◇ Technical Parameters:

Inverter type:
Hybrid Solar Inverter(Grid Support Interactive Inverter)

AC maximum output power	10KW
Output Voltage Range	110-120/220-240V split phase
MPPT voltage range	120-500V
PV maximum input current	14A
Maximum PV input	15KW&4 MPPT controller
Battery input voltage range	40-60V
Output frequency range	50/60Hz (45 to 54.9Hz / 55 to 65Hz)
Waterproof protection level	IP65
Operating Temperature Range	-25 ~ +60°C(> 45°C derating)

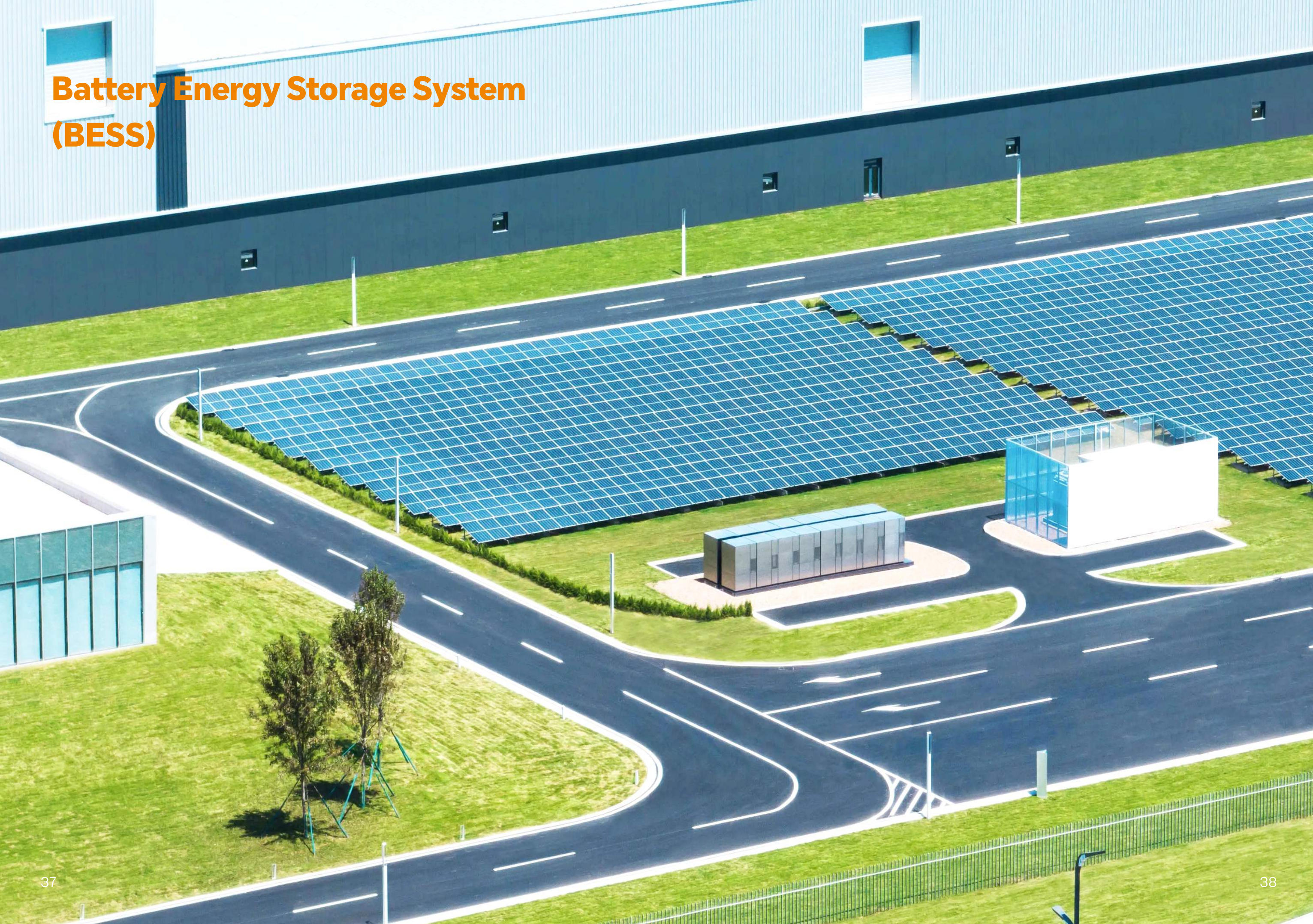
Battery Type:
LiFePO4

Battery nominal voltage	51.2V
Battery capacity	628AH
Battery voltage range	44~58.4V
Each battery is equipped with	200A BMS
Battery life	6000 cycles

Car charger parameters(Optional parts):

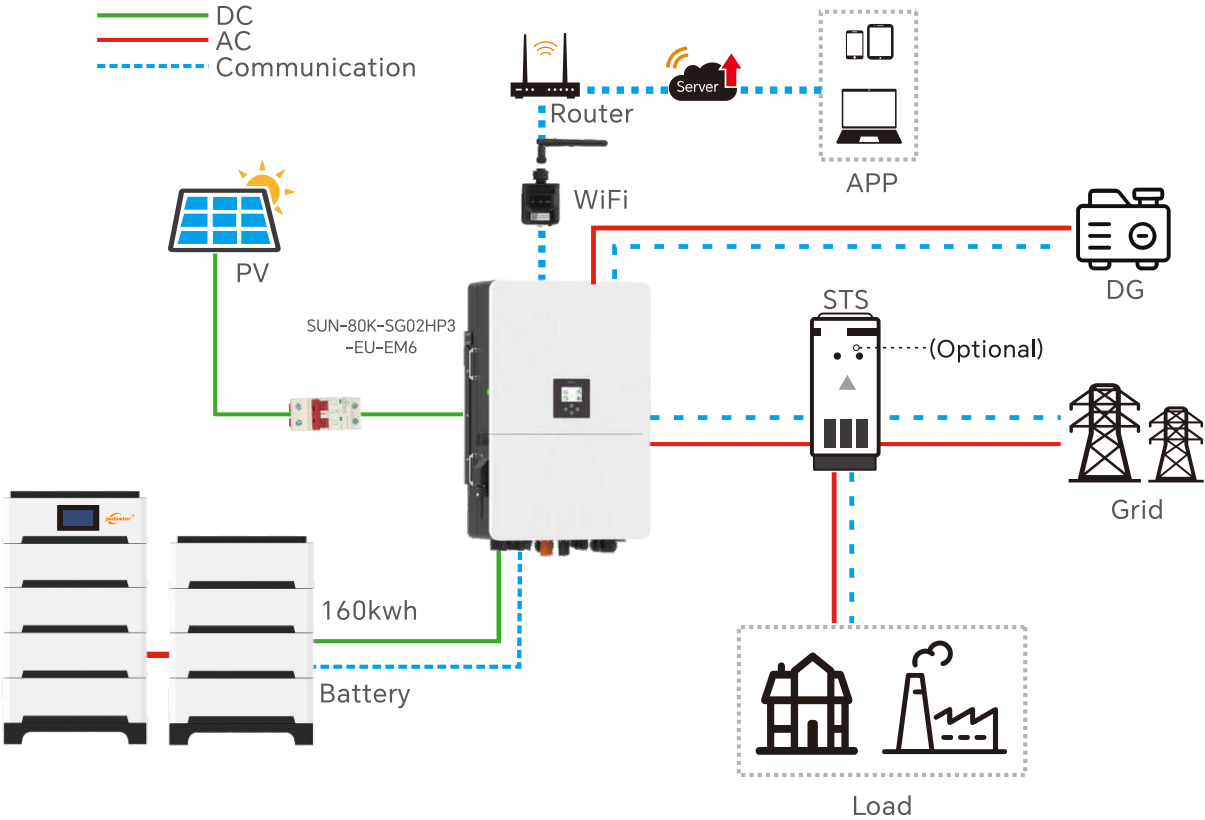
Charger types	10KW American standard AC charging pile
Charging head type	SAE J1772 Type 1
Charging cable length	7M
Charging power	10KW
Output voltage	AC208V~AC240V, compatible with 110V
Output current	Max.40A
Protection level	NEMA 4(IP66)

Battery Energy Storage System (BESS)



Hybrid Inverter (EU)

60/75/80KW



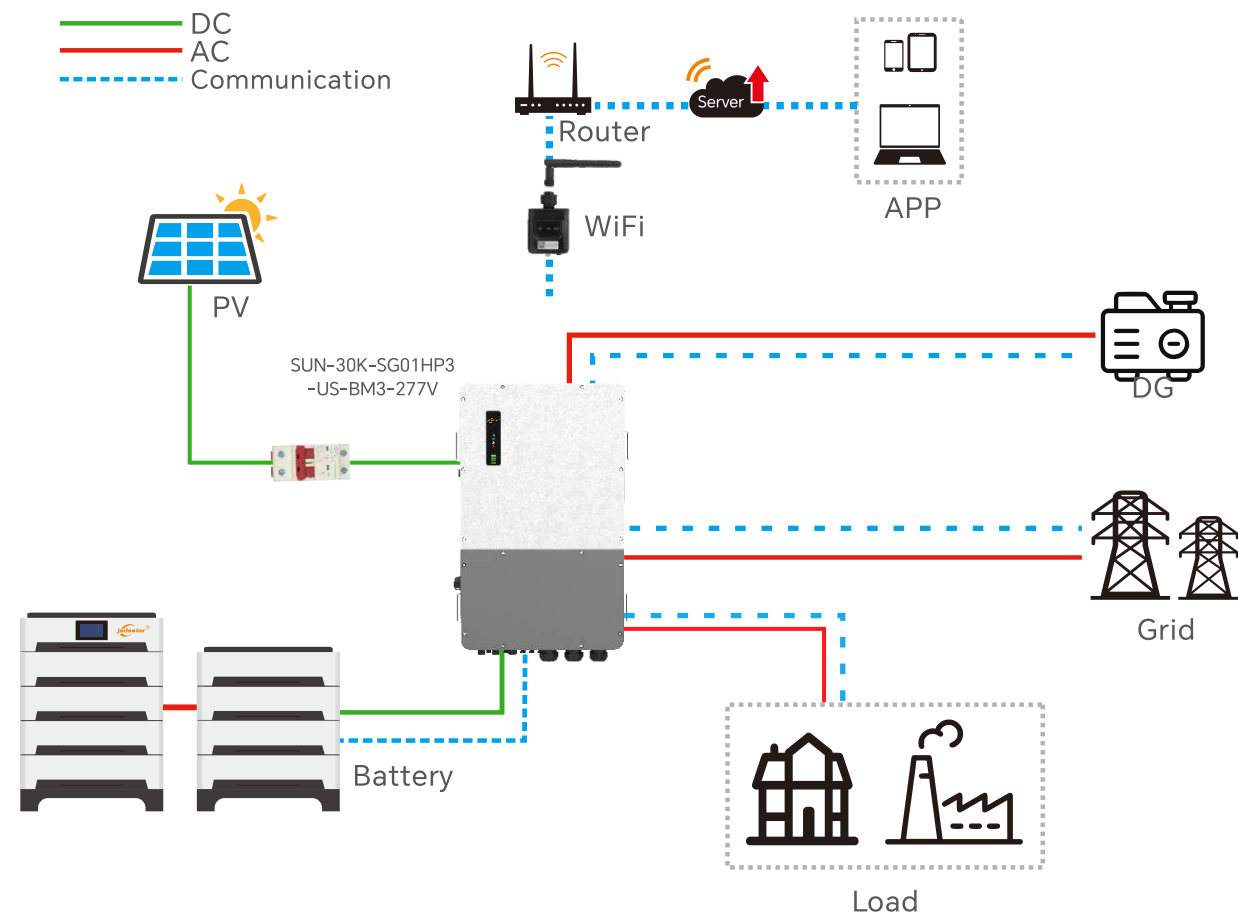
Technical Parameters:

Model	SUN-30K-SG01HP3 -EU-BM3	SUN-50K-SG01HP3 -EU-BM4	SUN-80K-SG02HP3 -EU-EM6
Battery Input Data			
Battery Type		Lithium-ion	
Battery Voltage Range (V)		160-1000	
Max. Charging/Discharging Current (A)		80+80	
Number of Battery Input		2	
Charging Strategy for Li-Ion Battery		Self-adaption to BMS	
PV String Input Data			
Max. DC Input Power (W)	39000	65000	160000
Max. DC Input Voltage (V)		1000	
Start-up Voltage (V)		180	
PV Input Current (A)	36+36+36	36+36+36	36+36+36+36+36+36
No. of MPPT Trackers	3	4	6/2+2+2+2+2+2
AC Output Data			
Max. AC Output Active Power (w)	33000	55000	88000
Max. AC Output Rated Current (A)	50/47.8	83.4/79.7	133.4/127.6
Max. Continuous AC Passthrough (A)		200	
Rated Input/Output Voltage/Range (V)		220/380V,230/400V	0.85Un-1.1Un
Rated Input/Output Grid Frequency/Range(Hz)		50/45-55,60/55-65	
Grid Connection Form		3L+N+PE	
Output Frequency and Voltage			
Grid Type		Three Phase	
Efficiency			
Max. Efficiency		97.60%	
MPPT Efficiency		99.90%	
Protection			
Over Voltage Category		DC Type II/AC Type I	
Certifications and Standards			
Grid Regulation		IEC 61727, IEC 62116, CEI 0-21, EN 50549, NRS 097, RD 140, UNE 217002, OVE-Richtlinie R25, G99, VDE-AR-N 4105	
Safety EMC/ Standard		IEC/EN 61000-6-1/2/3/4, IEC/EN 62109-1, IEC/EN 62109-2	
General Data			
Operating Temperature Range (°C)		-40-60°C,>45°C Derating	
Cooling		Smart Cooling	
Noise (dB)		≤65 dB	
Communication with BMS		RS485;CAN	
Weight (kg)		97.5	
Cabinet Size (WxHxD mm)		606x927x314(Excluding Connectors and Brackets)	
Protection Degree		IP65	
Installation Style		Wall-mounted	
Warranty		5 Years (10 Years Optional)	

*Nota: Five units in parallel has realized, ten units in parallel is under testing. Must use the inverters of the same model for parallel connecting.

Hybrid Inverter

SSE-HH30-60K-P3US/SA

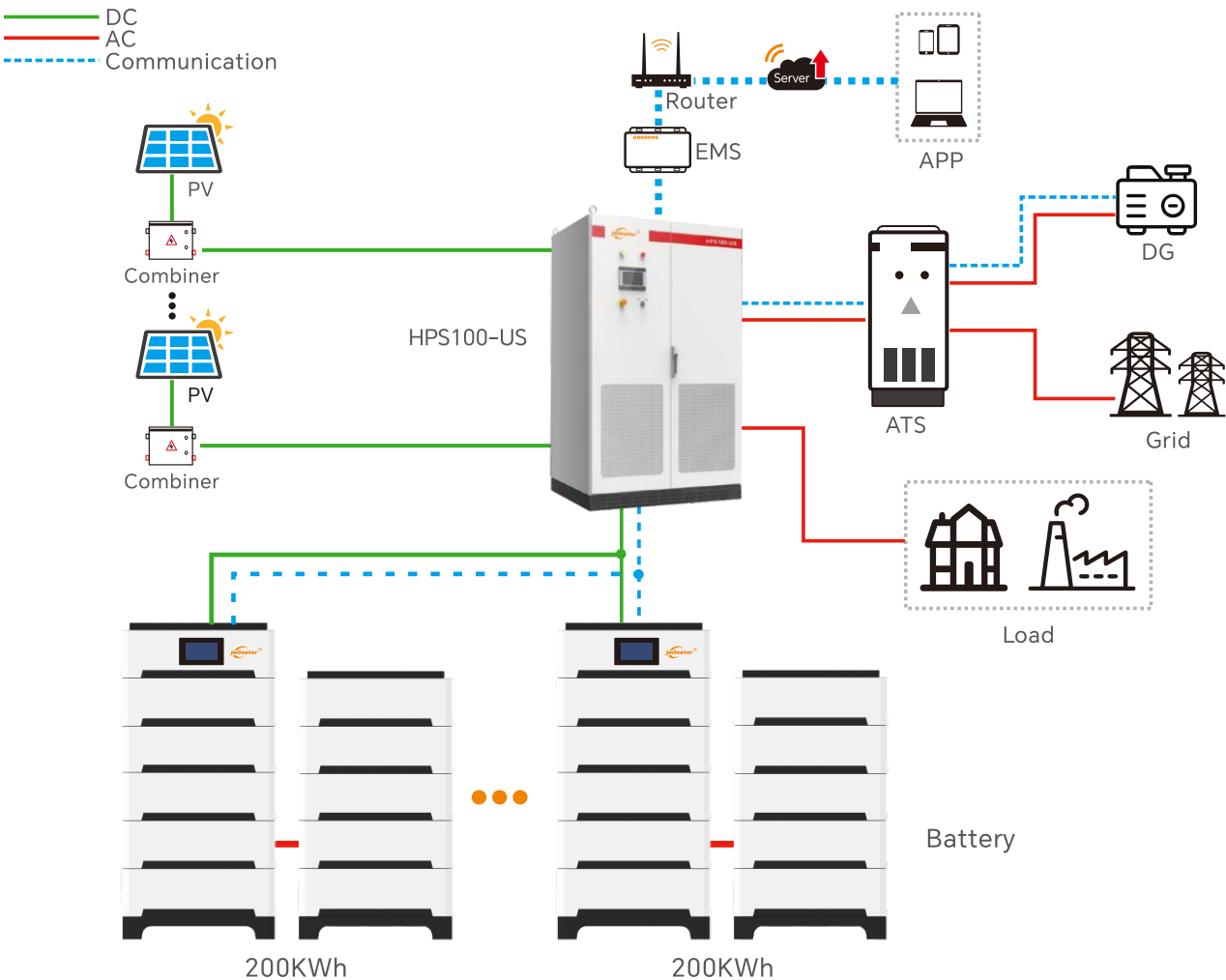


◇ Technical Parameters:

Modelo	SSE-HH30K-P3US	SSE-HH60K-P3US
Product type	Hybrid inverter	
Battery		
Battery type	250-850 Vdc.	
Maximum charge/discharge power	30KW	60KW
Maximum charge/discharge current	2*100 A	
Reverse connection protection	Yes	
Communication interface	CAN/RS485	
Input (PV)		
Maximum PV input power	60KW	100KW
Maximum PV input current	8*20 A	
Maximum PV input voltage	1000V	
PV input operating voltage	300-1000V	
Number of PV inputs	8	
AC grid input and output		
Nominal grid voltage	200-220 V, 3 W+N+PE	460-480 V, 3 W+N+PE
Nominal grid frequency	50 Hz/60 Hz	
Nominal active power input/output from the grid	30 KW	60 KW
Nominal input/output current from the grid	83,3 A a.c	75.3/72.2 A a.c
Grid power factor	0.8 leading to 0.8 lagging	
Grid input/output starting current	500 A a.c @10 ms	
Overcurrent protection maximum output from the grid	124,9 A a.c @0,2 s	113/108.3A a.c @0,2 s
Nominal GEN input current	83,3 A a.c	75.3/72.2 A a.c
Nominal GEN input power	30 KW	60 KW
Efficiency		
MPPT efficiency	99,90 %	
Maximum efficiency	98,00 %	
Standard		
Safety	UL 1741-2021 (UL1741SB), CSA C22.2 no 107.1-16	
EMC	IEEE Std C37.90.2-2004, IEEE C62.45-2002, IEEE Std C62.41.2-2002, IEEE Std C37.90.1-2024	
Grid interactive	UL1741-2021(UL1741SA),CSA C22.2 No 107.1-16. IEEE 1547-2018 y 1547a-2020 y 1547.1-2020 (SRD V2.0)	
	UL 1741 CRD-PCS, UL1699B, CEC, SGIP, CSIP,	
General parameters		
Operating altitude	4000 m (>2000 under discussion)	
Operating ambient temperatureO	-25 - +60 °C	
perating relative humidity	0-100 % (non-condensing)	
Noise emission (typical)	<65 dB	
Degree of protection against water ingress	IP66	
Dimensions (W x H x D)	544*880*278 mm	
Net weight	88 kg	
Communication	RS485/WiFi/Bluetooth/LAN/CAN/DRM/Meter,	
Display	LED+APP	

Hybrid Inverter (US)

100/150KW



◇ Technical Parameters:

Model	HPS100-US	HPS150-US
Grid Connected		
Apparent power	110kVA	165kVA
Nominal power	100kW	150kW
Nominal voltage	200-240V Wye / High-leg Split Phase(Opt)	
Nominal current	304~241A	456~361A
Voltage range	200-240V	
Nominal frequency	50/60Hz	
Frequency range	45-55/55~65Hz	
THDI (Total harmonic distortion of current)	<3%	
FP	0.8 lagging~0.8 leading	
AC connection	3/N/PE Wye /3/N/PE Delta(Opt)	
AC input	100kVA	150kVA
Off Grid		
Apparent power	110kVA	165kVA
Nominal power	100kW	150kW
Nominal voltage	200-240V Wye / High-leg Split Phase(Opt)	
Nominal current	304-241A	456-361A
Nominal frequency	≤2% linear	
Overload capacity	50/60Hz	
THD(Total harmonic distortion of current)	110%-10 mins 120%-1 min	
Battery and PV		
Max. PV open circuit voltage	1000V CC	
Max. PV power	150kWp	225kWp
MPPT voltage	480V-800VCC	
Battery voltage	400V-600V	
Max. charging power	150kW	225kW
Max. discharging power	110kW	165kW
Max. charging current	300A	450A
Max. discharging current	275A	413A
General Data		
Protection level	IP20	
Noise emission	<65dB(A)@1m	
Operating temperature	-25°C~+55°C	
Cooling	Forced air	
Relative humidity	0-95% non-condensing	
Max. altitude	6000m	
	(≥3000m ,efficiency reduction)	
Dimension (W/H/D)	1200/1900/800mm	
Weight	923kg	1200kg
Built-in transformer	Yes	
Lightning protection	Tipo II	
Transfer between on/off grid	Automatic s10ms	
Self-consumption	<30W	
Communication		
Screen	Touch screen	
Communication	RS485/CAN	
Certificate	UL1741,CSA-C22.2	

* MPPT voltage should be 50-220V higher than the maximum battery voltage.

On/off-grid Switching cabinet STS100-1000K-K/S

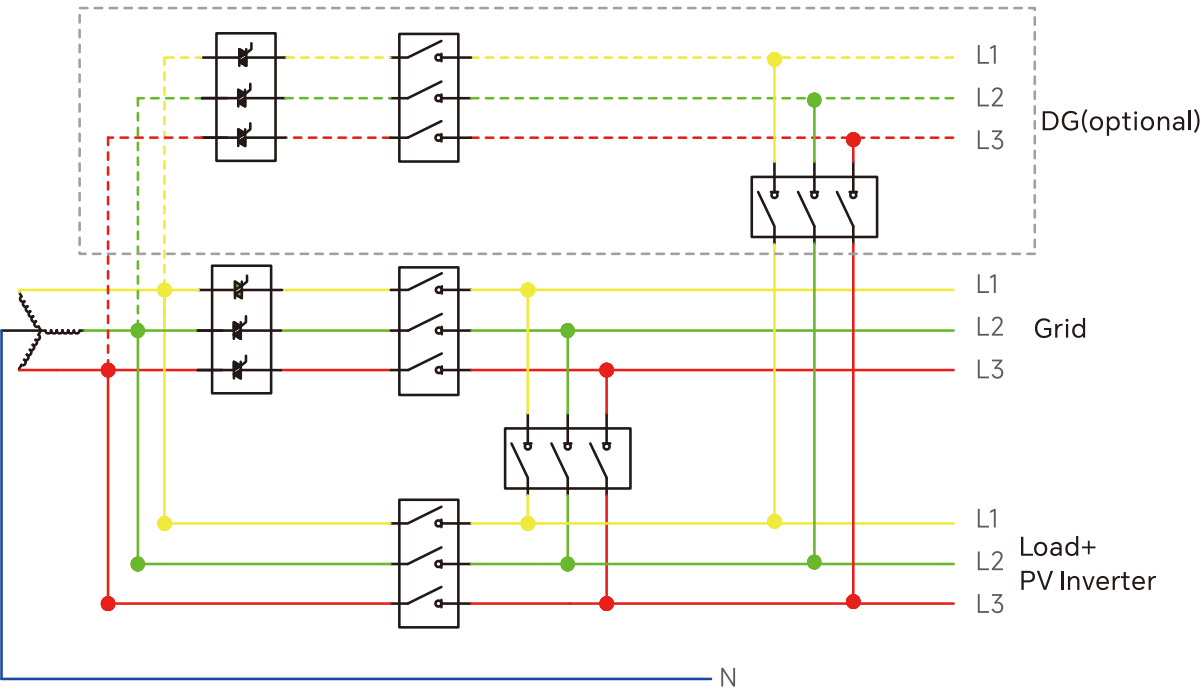


Applicable system

- Small micro grid system
- User side commercial energy storage system
- Dual demand system of peak load shifting and emergency power supply

Product Features

- Quickly separate the system from the power grid (switching time < 10ms)
- No need for additional configuration of micro grid system controls, reducing additional investment
- With manual control mode, operation control necessary for various experiments and switching control failures
- There are two switching speed options (< 10ms and < 200ms)
- With cooling system with Kehua's proprietary technology ensures the reliability of the system in various applications



Technical Parameters:

Model	STS-100K-K/S	STS-200K-K/S	STS-500K-K/S	STS-1000K-K/S
Maximum AC power	100kVA	200kVA	500kVA	1000kVA
Maximum AC current	144A	289A	722A	1444A
Rated grid voltage	400 Vac			
Grid voltage range	300~500Vac			
Level of protection	IP 21			
Switch selection	STS-K (Contractor version), STS-S (SCR version)			
Switch time	<200ms (Contractor version), <10ms (SCR version)			
Operating temperature range	-25℃~55℃			
Relative humidity	0~95%6 (no condensation)			
Protection	Over temperature, over current, short circuit, lightning protection, etc.			
Altitude	5000mm (>3000m derating)			
Dimensions (WxHxD)mm	800x1800x800	800x2000x800	800x2000x1000	

HV Lithium Battery System



Long Lifespan

1C Charge and discharge, 80%DOD 5000+ times. 20 years design life, 5 years warranty



Fast charge high rate

Fast charge and discharge High rate discharge



High Efficiency

Efficient operation and maintenance automatic and intelligent management



Multiple series and parallel

Support multiple series/parallel use



High Safety

The safest lithium iron phosphate battery technology



Multifunction

Active Equalizer, Bluetooth, and display (optional)

Product Introduction

The JHB series is designed for indoor household energy storage and industrial and commercial energy storage. It has a large capacity energy storage battery with small installation space and easy installation. It supports high-rate output and multiple series and parallel connections; it has an independent BMS management system and its performance is safe and reliable.

Application Introduction

Indoor energy storage in manufacturing plants, mines, hotels, farms, fish ponds, and household electricity.

Technical Parameters:

Model	JHB38	JHB64	JHB120
Battery module Quantity	8	10	3+3
Battery module Voltage(V)		64	
Usable Energy [1](KWh)	51.2	64	120
Max Output Power(kW)	51.2	64	76
Max Charge Current		100A	
Max Discharge Current		100A	
Round-Trip Efficiency		≥98.3%	
Nominal Voltage (V)	512	640	384
Cell capacity(AH)		100	
Operating Voltage Range (V)	448-584	500-730	300-438
Max Parallel Quantity		8	
Communication		RS485/CAN	
Dimensions (W/D/H)(mm)	710*450*1534	710*450*1867	800*500*796 800*500*1049
Weight (KG)	478	593	912
Enclosure Protection Rating		IP21	
Design life		10 years	
Designed Life-span [1]		6000 cycles (cell)	
Charge temperature[2]		0°C to +55°C	
Operating temperature[3]		-10°C to +55°C	
Operation Humidity		5~95%	
Certification &Safety Standard		CE / MSDS / UN38.3	
Scalability		To be announced	
Application		ON Grid /OFF Grid + Backup	
Compatible With Inverter		AESS/Deye/Afore/Solis/Sunsynk/MEGAREVO	

HV Lithium Battery System



◇ Technical Parameters:

Model	JHB128SL	JHB160SL	JHB193SL
Battery module quantity	4+4	4+4+2	4+4+4
Battery module Voltage(V)		51.2	
Usable Energy [1](KWh)	128	160	193
Max Output Power(kW)	76	102	128
Max Charge Current		200A	
Max Discharge Current		200A	
Round-Trip Efficiency		≥98.3%	
Nominal Voltage (V)	409	512	614
Cell capacity(AH)		314	
Operating Voltage Range (V)	320-467	400-584	480-700
Max Parallel Quantity		8	
Communication		RS485/CAN	
Dimensions (W/D/H)(mm)	1020*785*1440	1550*785*1200	1550*785*1440
Weight (KG)	850	1100	1300
Enclosure Protection Rating		IP21	
Design life		10 years	
Designed Life-span [1]		6000 cycles (cell)	
Charge temperature[2]		0°C to +55°C	
Operating temperature[3]		-10°C to +55°C	
Operation Humidity		5~95%	
Certification &Safety Standard		CE / MSDS / UN38.3	
Scalability		To be announced soon	
Application	Connected to the grid / Disconnected from the grid + Backup		
Compatible With Inverter	AESS/Deye/Afore/Solis/Sunsynk/MEGAREVO		

 **Long Lifespan**
1C Charge and discharge, 80%DOD 5000+ times. 20 years design life, 5 years warranty

 **Fast charge high rate**
Fast charge and discharge High rate discharge

 **High Efficiency**
Efficient operation and maintenance automatic and intelligent management

 **Multiple series and parallel**
Support multiple series/parallel use

 **High Safety**
The safest lithium iron phosphate battery technology

 **Multifunction**
Active Equalizer, Bluetooth, and display (optional)

| Product Introduction

The JHB series is designed for indoor household energy storage and industrial and commercial energy storage. It has a large capacity energy storage battery with small installation space and easy installation. It supports high-rate output and multiple series and parallel connections; it has an independent BMS management system and its performance is safe and reliable.

| Application Introduction

Indoor energy storage in manufacturing plants, mines, hotels, farms, fish ponds, and household electricity.

Industrial And Commercial Energy Storage System (IP54)



◇ Technical Parameters:

Model	JHB-50-107SP	JHB-100-215SP
Permutation type	1P120S	1P120S*2
Cell capacity	280Ah	
Magnification	0.5P	
Inverter power	50kW	50kW*2
Rated capacity	280Ah	560Ah
Rated energy	107kWh	215kWh
Nominal voltage	384Vdc	
Operating voltage range	300~438Vdc	
Operating temperature range	-20℃~55℃	
Storage temperature range	-30℃~60℃	
Maximum working altitude (m)	<3000	≤3000
Battery temperature control mode	Air cooling	
Energy storage system Fire protection system	Aerosol	
Energy storage system communication interface	RS485/Ethernet	
Protection level of energy storage system	IP54	
Weight	1.7t	2.5t
Dimensions (L x W x H)mm	1000x1450x2100	1700x1450x2300
Standard	IEC62619 UN38.3	



Industrial And Commercial Energy Storage System (IP54)

◇ Technical Parameters:

Model	JHB-500-1000SP	JHB-1000-3200SP
AC Parameter		
Rated Power(kVA)	500	1000
Rated Voltage (V)	400	
Voltage Range (V)	320-460	
Rated current(A)	722	1444
Rated Frequency(Hz)	50/60	
Isolation Method	Transformer	
Over Power	110%long time;120%1min	
PV Parameter		
Rated MPPT Quantity	10	20
Rated MPPT Module Power (kw)	50	
Max output Power(kw)	500	1000
MPPT Voltage Range	250-850	
MPPT voltage range @full load (v)	450-850	
Battery Parameter		
Cell Type (Ah)	LFP280	
Battery Module Rated Voltage (V)	192	
Battery Module Energy (kwh)	53.76	
Rated Voltage (V)	768	
Voltage Range (V)	672-850	
Battery Energy(kwh)	1000	3200
General Parameter		
Max. System Efficiency	≥ 90%	
IP Rating	IP54	
Anticorrosion Grade	StandardC4	
Cooling Method	HVAC	
Operating Temperature Range	-20-50°C	
Operating Humidity	0%-95%R.H	
Max. Charging/Discharging Rate	<2000	
Elevation(m)	Integrated	
Dimension: W*D*H(mm)	6058*2591*2438	12192*2591*2438
Total weight(t)	20	40
Communication Port	CAN /Rs485 /ETH	

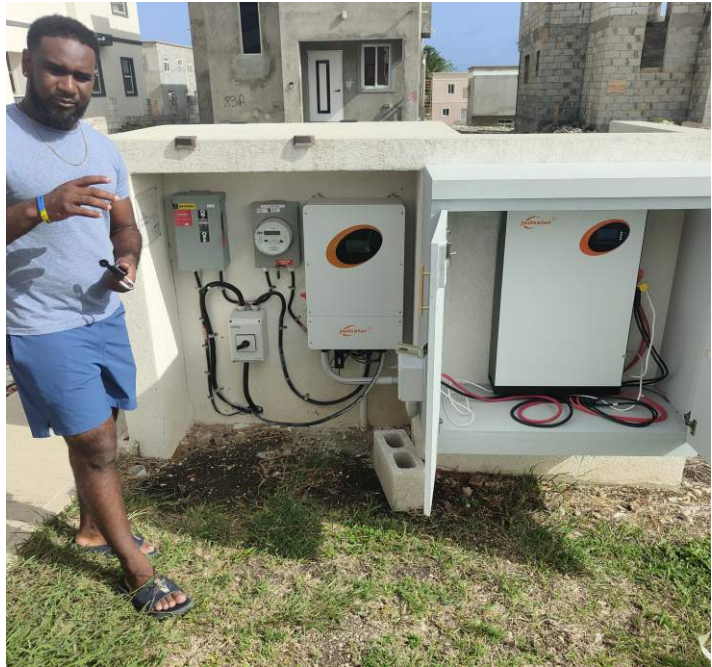


Energy storage system for public services (IP54)

◇ Technical Parameters:

Modelo	JHB-500-1000SP	JHB-1000-3200SP
AC parameter		
Nominal power (kVA)	500	1000
Nominal voltage (V)	400	
Voltage range (V)	320-460	
Nominal current (A)	722	1444
Nominal frequency (Hz)	50/60	
Isolation method	Transformer	
Excess power	110% for long periods; 120% for 1 minute	
Photovoltaic parameter		
Nominal number of MPPT	10	20
Nominal power of MPPT module (kW)	50	
Maximum output power (kW)	500	1000
MPPT voltage range	250-850	
MPPT voltage range at full load (V)	450-850	
Battery parameter		
Cell type (Ah)	LFP280	
Nominal voltage of battery module (V)	192	
Energy of battery module (kWh)	53.76	
Nominal voltage (V)	768	
Voltage range (V)	672-850	
Battery energy (kWh)	1000	3200
General parameters		
Maximum system efficiency	≥ 90%	
IP rating	IP54	
Corrosion resistance rating	Standard C4	
Cooling method	HVAC	
Operating temperature range	-20-50°C	
Operating humidity	0%-95%R.H	
Maximum charge/discharge rate	<2000	
Altitude (m)	Integrated	
Dimensions: Width*Depth*Height (mm)	6058*2591*2438	12192*2591*2438
Total weight (t)	20	40
Communication port	CAN /Rs485 /ETH	

CASE STUDIES





BUSINESS NETWORK

High-quality service provider for **100,000** households
and businesses around the world

Panasonic

CATL
宁德时代

NEXtera
ENERGY

EIKTO

赣锋锂业
GanfengLithium

JA SOLAR
晶奥太阳能

EVE 亿纬锂能

enel
Green Power

BYD

LONGi 隆基

IBEBDBOLA

LG Chem

Trinasolar
天合光能

SK

Contact

中国电建
POWERCHINA

BASF
The Chemical Company

HUAWEI

Unilumin 洲明

risen
solar technology

Deye

OUR ADVANTAGES

R&D STRENGTH



Attach importance to talents, investment and innovation

JSD constantly introduces world technical experience and gathers high-tech talents at home and abroad to ensure the stable development of the company's industry and maintain long-term competitive advantage. Invest more than 15% of sales every year as R & D expenses!

We are customer-oriented, continuous innovation and rapid response. Continuously developing new products and systems according to customer requirements. By establishing strategic Cong alliance in terms of technology and market, we can obtain new energy storage technologies and enter new markets

FIVE YEAR PLAN

Annual sales 200 million USD
Growing at a rate of 30% per year

Customers 100000
Market share expands year by year

Product sales coverage 5 continents
Products are sold all over the world

-  Improve the core competitiveness of enterprises
-  Become a technology pioneer in the solar system industry
-  Become an internationally competitive company
-  Improve customer satisfaction

SINCERE COOPERATION

Your preferred partner for solar energy storage



SERVICE PROCESS

- ▶ Discuss and confirm requirements
- ▶ Design and provide solution
- ▶ Signing the contract
- ▶ Production
- ▶ Delivery
- ▶ After-sales support



AFTER-SALES SERVICE



Professional after-sales service team

We have a strong and professional after-sales service team to provide you with technical support and service



Quick response

The service hotline is non-stop throughout the year, realizing 365X24 full-time service



FAQ instruction manual

Documents, videos, professional troubleshooting of common problems and rapid resolution



Regular return visit service

Service Center personnel regularly visit customers, and conduct remote inspection of product status and equipment verification



Customer satisfaction Center

The customer can rate the service personnel. If you are not satisfied, you can call the complaint hotline

