

sunpeak inverts



ABOUT US



Since 2020,we prepared for public listing ,and got the equity code. Then we plan to a listed compnay within 3years.

company
PROFILE

founded in 1994, has been research, develop, produce and maintain UPS&Inverter&Solar System in China since 2003. By now it is a company which set design, manufacture and sales enterprise which located in Foshan, Guangdong Province. Techfine practices China's advanced manufacturing in the professional spirit of "ingenuity and precision", focusing on R&D and manufacturing of high-end industrial environment-friendly energy storage lead-acid batteries, lithium batteries, uninterruptible power supplies, industrial emergency power supplies, solar inverters, solar energy systems and other three major sections of the product. The business covers many countries around the world, and cooperates with customers all over the world. At present, it maintains long-term and stable cooperation with many merchants. It has three independent production bases, which are located in Malaysia, Shaoguan, China and Foshan, China.



RICH EXPERIENCE IN TRADE AND EXPORT,
WELL-QUALIFIED

01



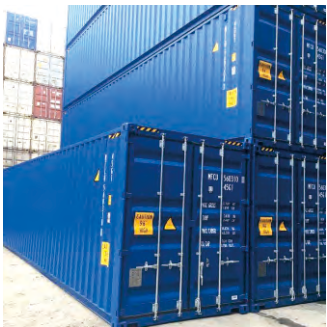
Product packaging

02



Logistics Transportation, fast speed

03



Product containers

25+

25+ Manufacturing experience

190+

190+ countries export experience

10000+

10000+Successful Cases

OEM/ODM

OEM/ODM ordes sales and service



Independent R & D team



One to One customer service consultation



Professional design team, private customization.



Perfect after-sales service system



Experienced/qualified in exporting





PRECISION MANUFACTURE, GOOD QUALITY

25 Years industrial experience with three p
roduction bases in China & Malaysia. Own
s advanced equipment and instruments a
nd builds Automatic production line.

Marketing Center



1st Factory :Inverter Workshop



2nd Factory : UPS Workshop



3rd Factory:Lithium Battery Workshop



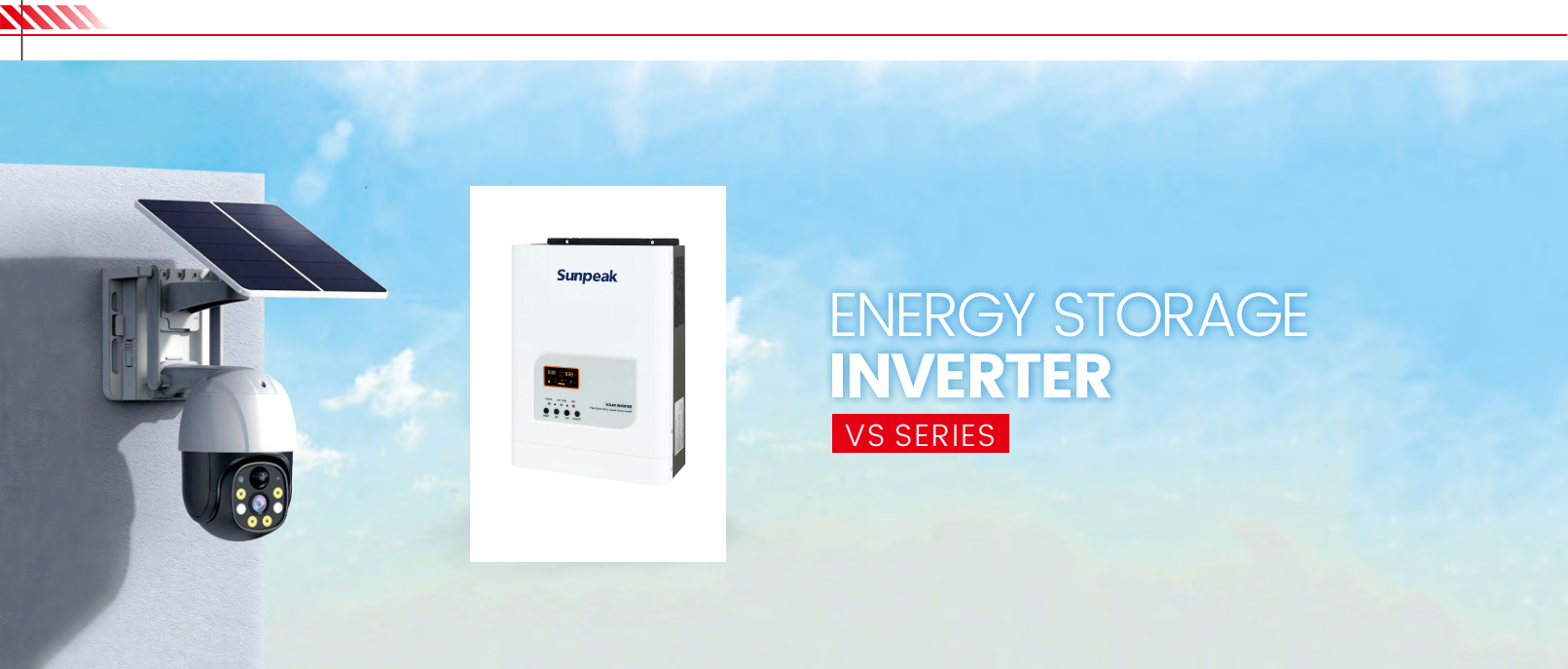
4nd Factory:Lead Acid Battery Workshop



AUTHORITATIVE CERTIFICATE QUALITY ASSURANCE

Strictly comply with ISO quality management system , products have passed UL,CE, IEC, ROHS,
SONCAP, SASO,PVOC and other certifications. We aim to provide the green,energy-saving
and safe electrical energy safety emergency products for global users.





ENERGY STORAGE INVERTER

VS SERIES

ENERGY STORAGE INVERTER VS 500VA~2000VA



FEATURES

- Pure sine wave output
- DC Start & Automatic Self-Diagnostic Function
- Automatically send signal to start generator
- High efficiency design for optimized battery performance
- Selectable charging current based on applications
- lead acid battery/Lithium battery
- AC start-up voltage auto restart voltage/ 110V/120V Output Available

APPLICATION



Courtyard Lighting



Spray System



CCTV system



Photovoltaic environmental
monitoring instrument

VS SERIES

PARAMETERS












Model	VS0512AP5	VS0812AP5	VS1012AP5	VS1512/24AP5	VS2024AP5
AC Input voltage	220VAC(standard)				
Input voltage range	154-264VAC±5V(Nor Model) 185-264VAC±3V(UPS Model)				
Input frequency	50/60Hz±5%				
Out put power	500VA 400W	800VA 640W	1000VA 800W	1500VA 1200W	2000VA 1600W
AC model output Voltage	220V±10%				
Battery model output frequency	The output frequency under the mains is the same as the input frequency				
Battery model output voltage	220VAC±3%				
Battery model output frequency	50HZ or 60HZ±1%				
Battery model output wave	Pure sine wave				
Battery type	External lead-acid battery,Gel battery, water battery or Lithium battery				
Battery voltage	12VDC			12/24VDC	24VDC
Battery charging voltage	13.7VDC			13.7/27.4VDC	27.4VDC
Maximum PV array power	12V:400W			12V:800W 24V:1600W	24V:1600W
Solar input voltage range	12V: PWM 15V-50VDC 24V: PWM 30V-105VDC				
Maximum PV Display Open Circuit Voltage	12V: PWM 50VDC 24V: PWM 105VDC				
Maximum solar charging current	60A				
Maximum AC Charge Current	13A	21A	27A	40A / 20A	30A
Battery charging voltage range	154-275VAC±5V				
Transfer time	≤10ms(UPS Model) / ≤20ms(INV Model)				
load peak ratio	(MAX)3:1				
Protective function	Under the mains input overcurrent fuse Under inverter: overload protection,short circuit protection, low voltage protection, (with battery anti-reverse connection,board).				
Status Display	You can view parameters such as AC voltage, AC frequency, PVvoltage, PV current, output voltage, output frequency, battery voltage, load current and other parameters by turning the page keys.				
Voice prompt	Low battery protection buzzer long beep Low battery buzzer beeps every second Machine fault buzzer beeps Overload buzzer beeps When the overload is less than 130%, the buzzer will sound every second,and the output will be turned off after 30S. When the overload is greater than 150%,the output will be turned off after 300mS.				
Operating temperature	-10°C~50°C				
Storage temperature	-15°C~45°C				
Relative temperature	-10°C~90°C no condensation				
Noise	<45dB				

ENERGY STORAGE
INVERTER
VS Pro SERIES

ENERGY STORAGE INVERTER VS Pro 1500VA~12500VA



FEATURES

-  Pure sine wave output
-  Can support WIFI / GPRS
-  MPPT Efficiency max 98%
-  Optional built-in MPPT/PWM30-60A controller
-  DC Start & Automatic Self-Diagnostic Function
-  Automatically send signal to start generator
-  High efficiency design for optimized battery performance
-  Selectable charging current based on applications
-  lead acid battery/Lithium battery
-  BMS function for lithium battery
-  AC start-up voltage auto restart voltage/
110V/120V Output Available



Shipping/fishing



Construction/housing



Base station/cell tower



Agriculture/animal husbandry

VS Pro SERIES

— PARAMETERS —

Model	VS1512AM	VS2024AM	VS3024/48AM6	VS5024/48AM6	VS6348AM8	VS8048AM8	VS10048AM8	VS12548AM8
AC Input voltage	220VAC(standard)							
Input voltage range	154-264VAC±3V(Nor Model)185-264VAC±3V(UPS model) 175-285VAC±3V(AVR Type)							
Input frequency	50/60Hz±5%							
Out put power	1500VA 1200W	2000VA 1600W	3000VA 2400W	5000VA 4000W	6000VA 5000W	8000VA 6400W	10000VA 8000W	12500VA 10000W
AC model output Voltage	The output voltage under the mains is the same as the input voltage(with AVR function 220V±10%)							
Battery model output frequency	The output frequency under the mains is the same as the input frequency							
Battery model output voltage	220VAC±10%							
Battery model output frequency	50HZ or 60HZ±1%							
Battery model output wave	Pure sine wave							
Battery type	External lead-acid battery,Gel battery, water battery or Lithium battery							
Battery voltage	12/24/48VDC				48VDC			
Battery charging voltage	13.7VDC/27/54VDC				54VDC			
Maximum PV array power	12V: 800W 24V:1600W 48V:3200W				6400W			
Solar input voltage range	12V: MPPT 15V-50VDC 24V: MPPT 30V-150VDC 48V: MPPT 60V-150VDC				48V: MPPT 60V-150VDC			
Maximum PV Display Open Circuit Voltage	50VDC	150VDC			150VDC			
Maximum solar charging current	40A	60A			120A			
Maximum AC Charge Current	40A/20A	60A/30A	38A/18A	80A/40A	50A	65A	80A	100A
Battery charging voltage range	154-280VAC							
Transfer time	≤10ms(UPS) / ≤20ms(INV)							
load peak ratio	(MAX)3:1							
Protective function	Under the mains input overcurrent fuse Under inverter: overload protection,short circuit protection, low voltage protection, (with battery anti-reverse connection,board).							
Status Display	You can view parameters such as AC voltage, AC frequency, PVvoltage, PV current, output voltage, output frequency, battery voltage, load current and other parameters by turning the page keys.							
Voice prompt	Low battery protection buzzer long beep Low battery buzzer beeps every second Machine fault buzzer beeps Overload buzzer beeps When the overload is less than 130%, the buzzer will sound every second,and the output will be turned off after 30S. When the overload is greater than 150%,the output will be turned off after 300mS.							
Operating temperature	0℃~40℃							
Storage temperature	-15℃~45℃							
Relative temperature	-10℃~90℃ no condensation							
Noise	<45dB							



ENERGY STORAGE INVERTER VS Pro+ 6000VA~12500VA



FEATURES

- Parallel Function Up to Maximum 9 units
- Self design PCB board and cooling system
- MPPT Efficiency max 98%
- Optional MPPT solar charge controller 120A
- High Efficiency Design &"Power Saving Mode" to Conserve Energy
- Auto Restart when Ac in recovering
- Built in Transformer, overload and Ultra-high voltage protection
- Selectable charging current based on applications
- Smart battery charger design for optimized battery performance
- BMS function for lithium battery
- 110V/120V Output Available

APPLICATION



Fisheries



Farming



Animal husbandry



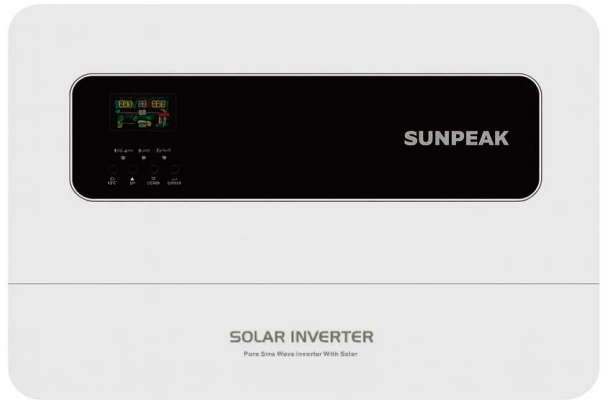
Commercial buildings

VS Pro+ SERIES
PARAMETES

Model	Vs6348 AM6B (support parallel)	VS12548 AM8B(support parallel)
System Voltage	6300VA	12500VA
Nominal Voltage	230VAC	
Input voltage range	90-275VAC±3V ;170-275VAC±3V(selectable)	
Input frequency	50/60Hz±5% Auto sensing	
Rated power	5000W	10000W
Battery Voltage(DC)	48V	
Output frequency	50Hz/60Hz±1%	
Waveform	Pure sine wave	
Ransfer time(AC to DC)	≤8ms (UPS) / ≤20ms (INV)	
Load peak ratio	(MAX)3:1	
Output Voltage Regulation	±10%	
Bypass Mode	YES	
Saver Mode	YES	
Battery Type	VRLA / GEL / GEL DEEP CYCLE / LITHIUM	
Input Protection	Input over current protection with fuse	
Output Protection	Overload, short circuit, High & low voltage, battery reverse protections	
AC Charging Current	50A	100A
Maximum PV array power	48V:MPPT 150VDC (Customized 200VDC)	
Maximum solar charge current	60A	120A
Maximum solar PV Watt	3200W	6400W
LED Indicator status	AC Line In:Green ; Inverter: Green Charging:Yellow ; Alarm: Red	
LCD indicator	AC input voltage/input frequency, PV voltage,/PV current /Output Voltage Frequency/Battery voltage/Load current etc.	
Low battery alarm	Audible alarm-5 seconds beeping	
Overload alarm	Audible alarm-continuous beeping	
Fault	Audible alarm-continuous beeping	
Storage temperature	-10℃~50℃	
Operating temperature	-15℃~45℃	
Relative temperature	20℃~90℃ no condensation	
Noise(db)	<45dB	



ENERGY STORAGE INVERTER JV 3000W~6300W



FEATURES

- Low no-load loss, less than half of the high-frequency machine with the same power
- Pure sine wave output, can adapt to different loads
- Output short-circuit protection function
- Multiple parameters can be adjusted according to user needs
- Built-in MPPT can reach 245V, 100A
- Standard BMS communication function
- Standard RS232 communication function

APPLICATION



Mine/field



Mountain Forest/grassland



Low temperature areas



Desert/woodland

JV SERIES
PARAMETERS

MODEL	JV3824AM8V	JV5048AM8V	JV6348AM8V
Rated output power	3000W	4000W	5000W
Power Input	220VAC (standard) / 110VAC (customized)		
Input voltage range	220V model: 154-264VAC±3V (normal mode) 185-264VAC±3V (UPS mode) 110V model: 77-132VAC±3V (normal mode) 92-132VAC±3V (UPS mode)		
Input frequency	50/60Hz±5%		
OUTPUT			
Output voltage under AC power	The output voltage under AC power is the same as the input voltage		
Output frequency under AC power	The output frequency under AC power is the same as the input frequency		
Output voltage under inverter mode	220VAC±10% (110VAC±10%)		
Output frequency under inverter mode	50HZ or 60HZ±1%		
Output waveform under inverter mode	pure Sine Wave		
BATTERY & CHARGER			
Battery Type	External lead-acid battery or water battery or lithium battery		
Battery voltage	24VDC	48VDC	
Battery charging voltage	27.4VDC	54.8VDC	
PV INPUT			
Maximum PV array power	2700W	5400W	
PV input voltage range(MPPT)	30-245VDC	60-245VDC	
Optimal Vmp operating range	30-170VDC	60-170VDC	
Maximum photovoltaic open-circuit voltage	245VDC		
Maximum solar charging current	100A		
AC INPUT			
Maximum AC charging current	63A(default50A)	83A(default33A)	52A(default42A)
EFFICIENCY			
Conversion time	≤10ms(UPS mode) / ≤20ms(normal mode)		
Load peak ratio	(MAX)3:1		
Standby power (W)	16W	32W	
PROTECTION			
Protection function	Under grid power: input overcurrent circuit breaker protection Under inverter operation: overload protection, short circuit protection, low voltage protection, battery reverse polarity protection (fuse)		
Status display	color segment display with LED indicator view parameters such as AC voltage, AC frequency, PV voltage, PV current, output voltage, output frequency, battery voltage, and load current using the page turning key. LED displays mains power, charging status, inverter status, and fault status		
Audible alert	buzzer produces different alarm sounds based on the fault codes, distinguished by long and short tones		
ENVIRONMENTAL PARAMETERS			
Operating temperature	-10℃~-50℃		
Storage temperature	-15℃~+45℃		
Relative temperature	-10℃~90℃ non-condensing		
Noise	<45dB		
PHYSICAL PARAMETERS			
Machine dimensions(L*W*H)mm	535*335*170mm		



ENERGY STORAGE
INVERTER

EA SERIES

ENERGY STORAGE INVERTER EA 2000VA~11000VA



FEATURES

- Rounded corner design, exquisite appearance
- Multiple parameters can be adjusted according to user needs to adapt to different occasions
- Minimum PV Voltage 30V, more cost-effective to use
- Support lithium battery communication, external WIFI, generator self-start dry contact function
- Real-time display of actual load power greatly improves user perception
- Pure sine wave output, can adapt to different loads
- Output short-circuit protection function
- Power factor=1

APPLICATION



Commercial car park



Street lighting/monitoring



Family/greenhouse



Commercial/construction

EA SERIES
PARAMETERS

Model		EA2012EMH	EA3024EMH	EA4024EMH	EA6248EMH	EA8648EMH	EA11048EMH
Input Formation		L+N+PE					
AC Input		220/230/240VAC					
Input Voltage Range		90-280VAC±3V(Normal Mode)185-264VAC±3V (UPS Mode)					
Frequency		50/60Hz(Adaptive)					
Rated Power		1600W	3000W	4000W	6200W	8600W	11000W
Output Voltage		220/230/240VAC±5%					
Output Frequency		50/60Hz±0.1%					
Output Wave		Pure Sine Wave					
Transfer Time(Adjustable)		10ms for Computer Equipment,20ms for Household Equipment					
Peak Power		3200VA	6000VA	8000VA	12400VA	17200VA	22000VA
Overload Ability		Battery Mode 21s@102%~110% load 10s@110%~130% load 3s@130%-150% load 400ms@>150% load					
Grid connected Operation	Output Voltage	No grid connection		220/230/240VAC			
	Grid Voltage Range			170-265VAC			
	Grid Frequency Range			49-51±1Hz/59-61±1Hz			
	Output Current			17.4A	26.9A	37.4A	47.8A
	Power Factor Range			>0.99			
	Max efficiency (DC/AC)			98%			
Rated Voltage		12VDC	24VDC		48VDC		
Constant Charging Voltage		14. 1VDC	28.2VDC		56. 4VDC		
Float Charging Voltage		13. 5VDC	27VDC		54VDC		
PV Charging Method		MPPT	MPPT	MPPT	MPPT	2*MPPT	2*MPPT
Max PV Input		2000W	3000W	5000W	6200W	2*5500W	2*5500W
MPPT Tracking Range		30~500VDC	30~500VDC	60~500VDC	60~500VDC	90~500VDC	90~500VDC
MAX PV Input Voltage		500VDC	500VDC	500VDC	500VDC	500VDC	500VDC
MAX PV Charge Current		100A	100A	120A	120A	150A	150A
MAX AC Charge Current		60A	60A	60A	100A	120A	150A
MAX Charge Current		100A	100A	120A	120A	150A	150A
LCD		Can display operating mode/load/input/output					
RS232		5PIN/Pitch2.54mm,Baud Rate 2400					
Expansion Slot Communication Interface		Lithium Battery BMS Communication Card,WIFI 2×5PIN/Pitch2.54mm					
Parallel Interface		Not Support Parallel					
Operating Temperature		-10°C~-50°C					
Storage Temperature		-15°C~60°C					
Ork Altitude		No more than 1000m, If 1000m<,Rate power will lower, MAX 4000m, Refer					
Operating Environment Humidity		Non Condensing					
Noise		≤50dB					



ENERGY STORAGE INVERTER GA

4000VA~11000VA

FEATURES



- Lithium Battery Auto-restart Function More Convenient for Lithium Battery Charging
- Intelligent Power Supply Mode, Intelligent Distribution of Solar Panel/Mains/BatteryPower Shares
- Utility Charging Voltage/PV Charging Voltage Adjustable Match Different Battery Charging Requirements
- Slim Body, Convenient Installation And Transportation
- Battery Reverse Connection Protection with Fuse Switch, Safer Installation
- PF1.0, High Efficiency, Lower Consumption,Energy Conservation/Environmental Protection/Electricity Saving/Cost Saving
- Support Working without Battery: Reduce Solar System Cost
- High Precision of Output Voltage,±5%, Take Care of Your Appliances
- Communication Option: External WIFI, Supervise at Any Time
- BMS function for lithium battery

APPLICATION



Commercial car park



Street lighting/monitoring



Family/greenhouse

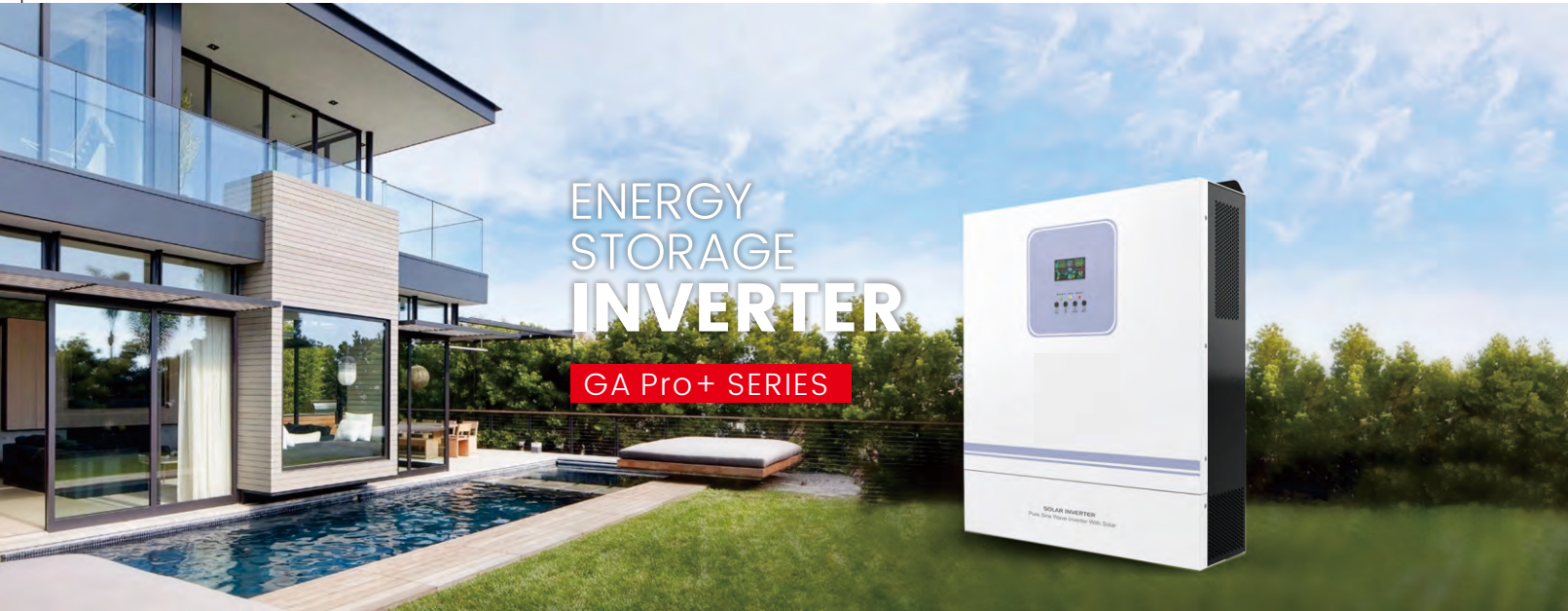


Commercial/construction

GA Pro SERIES

PARAMETERS

Model		GA4024SMH	GA6248SMH	GA8648SMH	GA11048SMH
Input Formation		L+N+PE			
AC Input		220/230/240VAC			
Input Voltage Range		90-280VAC±3V(Normal Mode)185-264VAC±3V (UPS Mode)			
Frequency		50/60Hz(Adaptive)			
Rated Power		4000W	6200W	8600W	11000W
Dual Output Power		4000W/4500W	6200W/6500W	8600W/11000W	11000W/12000W
Output Voltage(AC)		220/230/240VAC±5%			
Output Frequency		50/60Hz±0.1%			
Output Wave		Pure Sine Wave			
Transfer Time(Adjustable)		10ms for Computer Equipment,20ms for Household Equipment			
Peak Power		8000VA	12400VA	17200VA	22000VA
Overload Ability		Battery Mode 21s@102%~110% load 10s@110%~130% load 3s@130%-150% load 400ms@>150% load			
Grid connected Operation	Output Voltage	220/230/240VAC			
	Grid Voltage Range	170-265VAC			
	Grid Frequency Range	49-51±1Hz/59-61±1Hz			
	Output Current	17.4A	26.9A	37.4A	47.8A
	Power Factor Range	>0.99			
	Max efficiency (DC/AC)	>98%			
Rated Voltage		24VDC	48VDC		
Constant Charging Voltage		28.2VDC	56.4Vdc		
Float Charging Voltage		27VDC	54VDC		
PV Charging Method		MPPT		2*MPPT	
Max PV Input Power		6500W	8500W	2*6500W	2*7500W
PV Input Voltage Range		60~500VDC	60~500VDC	90~500VDC	90~500VDC
MAX PV Input Voltage		500VDC	500VDC	500VDC	500VDC
MAX PV Input Current		27A	27A	27A/27A	27A/27A
MAX PV Charge Current		120A	120A	150A	150A
MAX AC Charge Current		100A	100A	150A	150A
MAX Charge Current		120A	120A	150A	150A
LCD		Can display operating mode/load/input/output			
RS232		5PIN/Pitch2.54mm,Baud Rate 2400			
Expansion Slot Communication Interface		Lithium Battery BMS Communication Card,WIFI 2×5PIN/Pitch2.54mm			
Parallel Interface		Not Support Parallel			
Operating Temperature		0°C~40°C			
Storage Temperature		-15°C~60°C			
Ork Altitude		No more than 1000m, If 1000m<,Rate power will lower, MAX 4000m, Refer			
Operating Environment Humidity		Non Condensing			
Noise		<50dB			
L*W*H(mm)		495*312*125mm			



ENERGY STORAGE INVERTER GA Pro+ 6200VA~11000VA



FEATURES

- Lithium Battery Auto-restart Function,More Convenient for Lithium Battery Charging
- Intelligent Power Supply Mode, Intelligent Distribution of Solar Panel/Mains/BatteryPower Shares
- Utility Charging Voltage/PV Charging Voltage Adjustable Match Different Battery Charging Requirements
- Slim Body, Convenient Installation And Transportation
- Battery Reverse Connection Protection with Fuse Switch, Safer Installation
- PF1.0, High Efficiency, Lower Consumption,Energy Conservation/Environmental Protection/Electricity Saving/Cost Saving
- Support Working without Battery: Reduce Solar System Cost
- Parallel Function Up to Maximum 9 Units: Enlarge More Loads
- High Precision of Output Voltage,±5%, Take Care of Your Appliances
- Communication Option: External WIFI, Supervise at Any Time
- BMS function for lithium battery

APPLICATION



Island



Construction/housing



Factory/Meeting Center



Agriculture/animal husbandry

GA Pro+ SERIES
PARAMETERS

Model		GA6248SMHB	GA8648SMHB	GA11048SMHB
Nominal Voltage		220/230/240VAC		
Voltage Range		90-280VAC±3V(Inverter Mode) 170-280VAC±3V(UPS Mode)		
Frequency		50-60Hz Auto sensing		
Rated Output Power		6200W	8600W	11000W
Output Voltage(AC)		220/230/240VAC±5%		
Output Frequency		50/60Hz±0.1%		
Waveform		Pure sine wave		
Transfer time(AC to DC)		10ms for Computer Equipment,20ms for Household Equipment		
Peak Power		12400VA	16000VA	22000VA
Overload Capacity(Battery Mode)		21s@105%~150% Load	11s@150%~200% Load	400ms@>200% Load
Grid connected Operation	Output Voltage	220/230/240VAC		
	Grid Voltage Range	195-253VA		
	Grid Frequency Range	49-51±1Hz/59-61±1Hz		
	Output Current	26.9A	34.7A	47.8A
	Power Factor Range	>0.99		
	Max efficiency (DC/AC)	98%		
Norminal Voltage		48VDC		
Constant Charging Voltage		56.4VDC		
Float Charging Voltage		54VDC		
PV Charging Way		MPPT	2*MPPT	
Max PV Input Power		8500W	2*6500W	2*7500W
MPPT Controller Voltage		60-500VDC	90-500VDC	
MAX PV Input Voltage		500VDC		
MAX PV Charge Current		120A	150A	150A
MAX AC Charge Current		100A	120A	150A
MAX Charge Current		120A	150A	150A
LCD Display		AC input Voltage,AC input frequency,PV Voltage,PV Current,Output Voltage, Output Frequency, Battery Voltage,Load Current,etc.		
RS232		5PIN/Pitch2.0mm		
Expansion Slot Communication Interface		2×5PIN/Pitch2.54mm Lithium battery BMS communication card WIFI, etc		
Parallel Interface		Yes:Max 9 parallel machipes		
Operating Temperature		-10~50°C		
Humidity		20%~95%(Non-condensing)		
Storage Temperature		-15~60°C		
Altitude		<1000m		
Noise(dB)		≤50db		

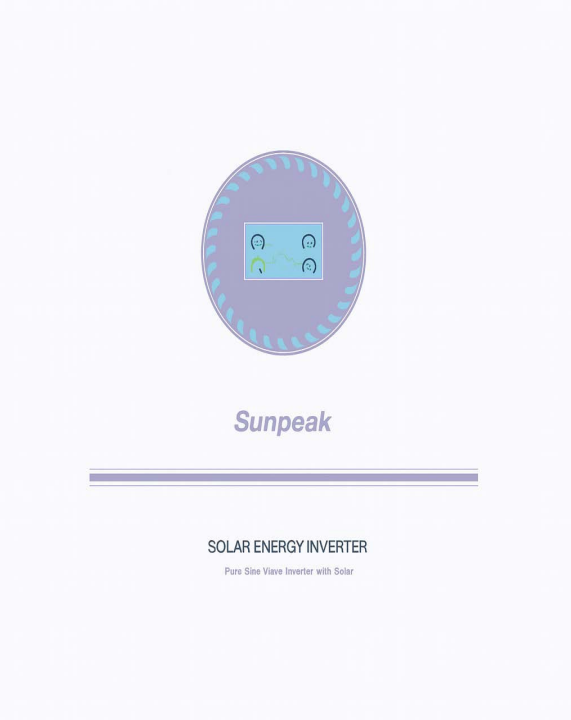


ENERGY STORAGE
INVERTER

BH ULTRA SERIES

ENERGY STORAGE INVERTER BH ULTRA

4000VA~11000VA



FEATURES

- Lithium Battery Auto-restart Function More Convenient for Lithium Battery Charging
- Intelligent Power Supply Mode, Intelligent Distribution of Solar Panel/Mains/Battery Power Shares
- Utility Charging Voltage/PV Charging Voltage Adjustable Match Different Battery Charging Requirements
- Slim Body, Convenient Installation And Transportation
- Battery Reverse Connection Protection with Fuse Switch, Safer Installation
- PF1.0, High Efficiency, Lower Consumption, Energy Conservation/Environmental Protection/Electricity Saving/Cost Saving
- Support Working without Battery: Reduce Solar System Cost
- Parallel Function Up to Maximum 9 Units: Enlarge More Loads
- High Precision of Output Voltage, ±5%, Take Care of Your Appliances
- Communication Option: External WIFI, Supervise at Any Time
- BMS function for lithium battery

APPLICATION



Commercial car park



Street lighting/monitoring



Family/greenhouse



Commercial/construction

BH ULTRA SERIES

PARAMETERS

Model		BH4024SMH	BH6248SMH	BH8648SMH	BH11048SMH
Input Formation		L+N+PE			
AC Input		220/230/240VAC			
Input Voltage Range		90-280VAC±3V(Normal Mode)185-264VAC±3V (UPS Mode)			
Frequency		50/60Hz(Adaptive)			
Rated Power		4000W	6200W	8600W	11000W
Dual Output Power		4000W/4500W	6200W/6500W	8600W/11000W	8600W/12000W
Output Voltage(AC)		220/230/240VAC±5%			
Output Frequency		50/60Hz±0.1%			
Output Wave		Pure Sine Wave			
Transfer Time(Adjustable)		10ms for Computer Equipment,20ms for Household Equipment			
Peak Power		8000VA	12400VA	17200VA	22000VA
Overload Ability		Battery Mode: 21s@102%~110% load 10s@110%~130% load 3s@130%-150% load 400ms@>150% load			
Grid connected Operation	Output Voltage	220/230/240VAC±5% (Feed-in Grid Voltage Range:195~253VAC)			
	Grid Voltage Range	170-265VAC			
	Grid Frequency Range	49-51±1Hz/59-61±1Hz			
	Power Factor Range	>0.99			
	Max efficiency (DC/AC)	98%			
Rated Voltage		24VDC	48VDC		
Constant Charging Voltage		28.2VDC	56.4Vdc		
Float Charging Voltage		27VDC	54VDC		
PV Charging Method		MPPT		2*MPPT	
Max PV Input Power		6500W	6500W	2*6500W	2*7500W
PV Input Voltage Range		60~500VDC	60~500VDC	90~500VDC	90~500VDC
MAX PV Input Voltage		500VDC	500VDC	500VDC	500VDC
MAX PV Input Current		27A	27A	27A/27A	27A/27A
MAX PV Charge Current		120A	120A	150A	150A
MAX AC Charge Current		100A	100A	150A	150A
MAX Charge Current		120A	120A	150A	150A
LCD		Can display operating mode/load/input/output			
RS232		5PIN/Pitch2.54mm,Baud Rate 2400			
Expansion Slot Communication Interface		Lithium Battery BMS Communication Card,WIFI 2×5PIN/Pitch2.54mm			
Parallel Interface		Not Support Parallel	Support Parallel		
Operating Temperature		-10°C~50°C			
Storage Temperature		-15°C~60°C			
Ork Altitude		No more than 1000m, If 1000m<,Rate power will lower, MAX 4000m, Refer			
Operating Environment Humidity		Non Condensing			
Noise		<50dB			
L*W*H(mm)		483x313x143mm		570.8x471x148.2mm	



POWER INVERTER

IV SERIES

ENERGY STORAGE INVERTER IV

3600W~11000W



FEATURES

- With lightning protection and high voltage protection functions
- Input and output safety switch design
- Increase in photovoltaic input current and power
- Increase in photovoltaic inverter power
- Higher photovoltaic utilization when photovoltaic and mains complement each other
- With EMI filtering, less interference

APPLICATION



Mine/field



Mountain Forest/grassland



Low temperature areas



Desert/woodland

IV SERIES

PARAMETERS

MODEL	IV4024SMH	IV6248SMH	IV11048SMH
Rated input voltage	220/230/240VAC		
Voltage range	90-280VAC±3V(normal mode) 170-280VAC±3V(UPS mode)		
Frequency range	50Hz/60Hz(Adaptive)		
OUTPUT			
Battery Inverter	4000W	6200W	11000W
Photovoltaic Inverter	4500W	6500W	12000W
Peak Power	8000VA	12400VA	22000VA
Output voltage	220/230/240VAC±5%		
Output frequency	50/60Hz±0.1%		
Waveform	pure Sine Wave		
Switching time (adjustable)	Computer equipment 10ms, home appliances 20ms		
Overload capacity	Battery Mode：11s@105%~150% Load;2s@150%~200% Load;400ms@>200% Load		
GRID-CONNECTED OPERATION			
Output voltage	220/230/240VAC		
grid feeding voltage range	195-253VA		
grid feeding frequency range	49-51±1Hz/59-61±1Hz		
nominal output current	17.4A	26.9A	47.8A
power factor range	>0.99		
maximum conversion efficiency (DC/AC)	98%		
BATTERY			
Rated voltage	24Vdc	48Vdc	
constant voltage charging voltage (configurable)	28.2Vdc	56.4Vdc	
float charging voltage (configurable)	27Vdc	54Vdc	
PV CHARGER			
PV charging method	MPPT	MPPT	
Maximum input power of PV	6500W	8500W	
MPPT input voltage range	60~500Vdc	60-500Vdc	
optimal Vmp operating range	300~400Vdc	300~400Vdc	
maximum PV input voltage	500Vdc	500Vdc	
maximum PV input current	27A	27A	27A/27A
maximum PV charging current	120A	120A	150A
maximum mains charging current	100A	100A	150A
maximum charging current	120A	120A	150A
DISPLAY			
LCD Interface	LCD Interface: Can display operation mode/load/input/output, etc.		
INTERFACE			
RS232	Baud rate 2400		
Expansion slot communication interface	Lithium battery BMS communication card, WIFI card, dry contact card, etc.		
Parallel interface	No parallel function	Parallel (network) function	
ENVIRONMENTAL PARAMETERS			
Operating ambient temperature	-10℃~+50℃		
Operating environment humidity	20%~95%(No condensation)		
Storage temperature	-15℃~+60℃		
noise	≤50db		
PHYSICAL PARAMETERS			
Depth × width × height (mm)	483*313*143 mm		
Standards and certifications	EN-IEC 60335-1, EN-IEC 60335-2-29, IEC 62109-1		



ENERGY STORAGE INVERTER KA 18000W~33000W



FEATURES

- Touch screen display, status is clear at a glance
- Adapt to various load conditions
- High power low battery voltage input
- Grid connected power generation function
- High power charging provides fast charging current
- Rich communication interfaces, RS232, RS485, dry contacts.
- Multi channel photovoltaic PV input, complementary load of photovoltaic mains power
- Communicating with multiple lithium battery protocols for charge and discharge management

APPLICATION



villa



Factory



awning



Greenhouse

KA SERIES
PARAMETERS






Model	KA18048SS	KA33048SS
Input Formation	L1+L2+L3+N+PE	
Rated input voltage	3 x 380VAC/400VAC (3-Phase+N line)	
voltage range	155-483VAC±3V(Normal Mode) 295-483VAC±3V(UPS Mode)	
Frequency	50Hz/60Hz(Adaptive)	
Output rated power	18000W	33000W
Output Voltage	380VAC±5%	
Output Frequency	50/60Hz±0.1%	
Output Wave	Pure Sine Wave	
Transfer time (Adjustable)	10ms for Computer Equipment , 20ms For Household Equipment	
Peak Power	36000W	66000W
Overload Ability	Battery Mode(21s@105%~150% Load 11s@150%~200% Load 400ms@>200% Load)	
Output Voltage	380VAC	
Feed Into The Grid Voltage Range	337-437VA	
Feed Into The Grid Frequency Range	49-51±1HZ/59-61±1HZ	
Nominal Output Current	3×26.9A	3×47.8A
Power Factor Range	>0.99	
Maximum Conversion Efficiency (DC/AC)	98%	
Rated Voltage	48VDC	
Constant Voltage Charging Voltage(Adjustable)	56.4VDC	
Floating Charging Voltage(Adjustable)	54VDC	
Charging Mode	THREE ROUTES MPPT	SIX ROUTES MPPT
MAX PV Input Power	3×7500W	6×5500W
MPPT Tracking Range	90~500VDC	
MAX PV Input Voltage	500Vdc	
MAX PV Input current	3×27A	6×18A
MAX PV Charge Current	360A	450A
MAX AC Charge Current	300A	450A
MAX Charge Current	360A	450A
LCD	Can display operating mode/load/input/output	
RS232	Baud Rate2400	
Expansion Slot Communication Interface	Lithium Battery BMS Communication Card, WIFI , dry contact	
Operating Temperature	-10~50℃	
Operating Environment Humidity	20%~95%(Without Condensation)	
Storage Temperature	-15~60℃	
Ork Altitude	No more than 1000m,If 1000m<,Rate power will lower,Max 4000m,Refer	
Noise	≤50db	



ENERGY STORAGE INVERTER LA 5500VA~11000VA



FEATURES

-  Pure sine wave output
-  PV priority, mains priority or battery priority
-  Grid-feed function is optional
-  Battery capacity is flexible for expanding if necessary
-  Using lithium iron phosphate battery pack, up to 10,000 cycles at 25°C

APPLICATION



Farming



Ships



Family



Courts

LA SERIES
PARAMETERS

Model	LA5548SMHG	LA11048SMHG
Rated Power	5500VA/5500W	11000VA/11000W
Input		
Voltage	230VAC	
Voltage Range	170-280VAC(UPS Mode) 90-280VAC(Inverter Mode)	
Frequency Range	50Hz/60Hz(Adaptive)	
Output		
Output Voltage	230VAC±5%	
Peak Power	11000VA	22000VA
Conversion Efficiency (maximum)	98%	
Output Frequency	50/60Hz±0.1%	
Switching time	10ms for Computer Equipment,30ms for Household Equipment	
Output Waveform	Pure Sine Wave	
Open Circuit Losses	<55W	<80W
Solar Charging And Mains Charging		
PV Charging Method	MPPT	
Max PV Input	5500W	2×5500W
MPPT Tracking Range	90-500Vdc	
MAX PV Charging Current	100A	150A
MAX AC Charging Current	60A	150A
MAX Charging Current	100A	150A
L×W×H	610x170x370mm	630x250x475mm
Battery Model		
Battery Capacity	5120WH	11776WH
Battery Voltage	51.2VDC	51.2VDC
Battery Type	LiFePo4	
Full Charge Voltage (FC)	56V	
Full Discharge Voltage (FD)	42V	
MAX Continuous Discharge Current	100A	200A
MAX Discharge Current	120A(1 minute)	230A(1 minute)
Protection	BMS,Relay	
Charging Voltage	56V	
Charging Current (recommended)	50A(0.5C)	115A(0.5C)
Charging Current (Max	100A	200A
L×W×H	610X170X490mm	630X250X525mm



SOLAR
POWER SYSTEM
SP SERIES

SOLAR POWER SYSTEM SP1000W~2000W



FEATURES

- External battery design, can be loaded under the battery mode for a long time
- Starting Up Automatically when mains input
- Two working models
- High current charging function
- Wide AC input range
- Shutdown charging function
- High efficiency design for optimized battery performance
- Compatible generator
- Monitor the working status through the display
- Automatically adjust the mains boost, buck, and stabilize the voltage output
- lithium battery optional
- 110V/120V Output Available

APPLICATION



Outdoor reconnaissance



Base station/base



Farming/animal husbandry



Fisheries

SP SERIES
PARAMETERS

Model	SP1012-100LP	SP1012-100P	SP1524-100LM	SP2024-100LM	SP1524-100LM	SP2024-170LM
BATTERY						
Battery type	Lead Acid Battery		Lithium Battery			
Battery Voltage	12.8V	12V	25.6V		24V	
Optional In-built battery specification	100AH/12.8V or 170AH/12.8V	100AH/12V or 120AH/12V	100AH/12.8V*2 or 170AH/12.8V*2		100AH/12V*2 or 170AH/12V*2	
INVERTER						
Rated Power	1000W	1000W	1500W	2000W	1500W	2000W
Output Voltage	220VAC±10%(110VAC±10%)					
Output Frequency	50HZ/60HZ±1%					
Output Waveform	Pure Sine Wave					
Charge by a mains supply						
Rated Voltage	220VAC±10%(110VAC±10%)					
AC Charge Current	20A	12A(10-20A)	25A	30A	12A(10-18A)	
Solar Input						
Maximum Photovoltaic Voltage(VDC)	≤50V	≤50V	≤145VDC		≤145VDC	
Charge Voltage(VDC)	14.6V	13.7V	29.2V		27.4V	
PV Rated Charge Current(A)	PWM 30A	PWM 30A	MPPT 30A		MPPT 30A	
Maximum Power(Wp)	400Wp	360Wp	800Wp		800Wp	
	DC Output					
5VDC USB Output Port	2units/MAX 2A					
12VDC Output Port	2 DC Ports (MAX 2A)					
Environmental Parameters						
Ambient Temperature for operation	0-40°C					
Temperature for storage	-25-55°C					
Operation/Storage Conditions	0-90%(no condensation)					



ENERGY STORAGE
INVERTER

ME SERIES

ENERGY STORAGE INVERTER ME 1300VA~2000VA



FEATURES

- External battery design, can be loaded under the battery mode for a long time
- Starting Up Automatically when mains input
- Two working models
- High current charging function
- Wide AC input range
- Shutdown charging function
- High efficiency design for optimized battery performance
- Compatible generator
- Monitor the working status through the display
- Automatically adjust the mains boost, buck, and stabilize the voltaae outout
- 110V/120V Output Available

APPLICATION



Vehicles



Construction/housing



woodland



Fishing/shipping

ME SERIES

PARAMETERS

Model	ME1012/24	ME1312/24	ME1512/24	ME2012/24/48	ME3024/48	ME5024/48
AC input voltage	220VAC (standard) / 110VAC (customized)					
Input voltage range	220V model: 154-264VAC±3V (normal mode) 185-264VAC±3V (UPS mode) 110V model: 77-132VAC±3V (normal mode) 92-132VAC±3V (UPS mode)					
Input frequency	50/60Hz±5%					
Rated out power	800W	1000W	1200W	1600W	2400W	4000W
Output voltage under city power	The output voltage under the city power is the same as the input voltage					
Output frequency under city power	The output frequency under the city power is the same as the input frequency					
Output voltage under inverter	220VAC±10% (110VAC±10%)					
Output frequency under inverter	50HZ or 60HZ±1%					
Output waveform under inverter	pure sine wave					
Battery Type	External lead-acid battery or water battery or lithium battery					
Battery voltage	12VDC / 24VDC / 48VDC					
Battery charging voltage	13.7VDC / 27.4VDC / 54.8VDC					
Maximum PV array power	12V: 400W 24V: 800W			12V: 800W 24V: 1600W 48V: 3200W		
Solar input voltage rang (PWM/MPPT)	12V: PWM 15V-50VDC 24V: PWM 30V-60VDC (without inbuilt MPPT)			12V: MPPT 15V-150VDC / PWM 15V-50VDC 24V: MPPT 30V-150VDC / PWM 30V-105VDC 48V: MPPT 60V-150VDC / PWM 60V-105VDC		
Maximum PV Display Open Circuit Voltage	12V: PWM 50VDC 24V: PWM 60VDC			12V: MPPT 150VDC / PWM 50VDC 24V: MPPT 150VDC / PWM 105VDC 48V: MPPT 150VDC / PWM 105VDC		
Optimal Vmp working range	12V: PWM 15-20VDC 24V: PWM 30-40VDC			12V: MPPT 150VDC / PWM 50VDC 24V: MPPT 150VDC / PWM 105VDC 48V: MPPT 150VDC / PWM 105VDC		
Maximum Solar Charging Current	30A			60A		
Maximum AC charging current	19/10A	24A/12A	29A/15A	39A/19A/10A	29A/15A	49A/24A
Transfer time	≤10ms(UPS)/≤20ms(INV)					
Peak load ratio	(MAX)3:1					
Standby power consumption (W)	Toroidal transformer					
	12V machine:8W 24V machine:16W 48V machine:32W					
Protective function	Under mains power: Input overcurrent non-fuse switch protection			Under mains power: input overcurrent air switch protection		
	Under inverter: overload protection, short circuit protection, low voltage protection, battery reverse connection protection (fuse)					
Status Display	Color segment code screen plus LED display					
	Through the page turning keys, you can view AC voltage, AC frequency, PV voltage, PV current, output voltage, output frequency, battery voltage, load current and other parameters.					
	LED displays mains power, charging status, inverter status, and fault status					
Voice prompt	The buzzer has different alarm sounds according to different fault codes, which are distinguished by long and short sounds.					
Operating temperature	-10°C~50°C					
Storage temperature	-15°C~45°C					
Relative temperature	-10°C~90°C no condenstation					
Noise(dB)	< 45dB					
Product size(L*W*H)mm	325*263*128MM			360*316*298MM		



ENERGY STORAGE INVERTER AL

1300VA~2000VA

FEATURES



- External battery design, can be loaded under the battery mode for a long time
- Starting Up Automatically when mains input
- Two working models
- High current charging function
- Wide AC input range
- Shutdown charging function
- High efficiency design for optimized battery performance
- Compatible generator
- Monitor the working status through the display
- Automatically adjust the mains boost, buck, and stabilize the voltaae outout
- 110V/120V Output Available

APPLICATION



Vehicles



Construction/housing



woodland



Fishing/shipping

AL SERIES

PARAMETERS

Model	AL1312/24AP5	AL1512/24AP5	AL2024AP5
AC input voltage	220VAC (standard) / 110VAC (customized)		
Input voltage range	220V model: 154-264VAC±3V (normal mode) 185-264VAC±3V (UPS mode) \\110V model: 77-132VAC±3V (normal mode) 92-132VAC±3V (UPS mode)		
Input frequency	50/60Hz±5%		
Rated output power	1300VA/1000W	1500VA/1200W	2000VA/1600W
Output voltage under city power	The output voltage under the city power is the same as the input voltage		
Output frequency under city power	The output frequency under the city power is the same as the input frequency		
Output voltage under inverter	220VAC±10% (110VAC±10%)		
Output frequency under inverter	50HZ or 60HZ±1%		
Output waveform under inverter	pure sine wave		
Battery Type	External lead-acid battery or water battery or lithium battery		
Battery voltage	12VDC/24VDC		
Battery charging voltage	13.7VDC/27.4VDC		
Maximum photovoltaic array power	12V: 800W 24V: 1600W		
PV input voltage range (PWM)	12V: PWM 15V-30VDC (Customized 50VDC) 24V: PWM 30V-60VDC (customized can be 105VDC)		
Maximum photovoltaic array open circuit voltage	12V: PWM 30VDC (customized can be 50VDC) 24V: PWM 60VDC (customized can be 105VDC)		
Optimal Vmp working range	12V: PWM 15V-20VDC 24V: PWM 30V-40VDC		
Maximum Solar Charging Current	60A		
Maximum AC charging current	34A / 17A	40A / 20A	30A
Transfer time	≤10ms(UPS mode) / ≤20ms(INV mode)		
Peak load ratio	(MAX)3:1		
	Toroidal Transformer		
Standby power consumption (W)	12V machine: 8W 24V machine: 16W		
Protective function	Under mains power: input overcurrent non-fuse switch protection Under inverter: overload protection, short circuit protection, low voltage protection, battery reverse polarity protection (fuse)		
Status Display	Color segment code screen plus LED display You can view parameters such as AC voltage, AC frequency, PV voltage, PV current, output voltage, output frequency, battery voltage, and load current through the page turning key. LED display mains power, charging status, inverter status, fault status		
Voice prompt	The buzzer has different alarm sounds according to different fault codes, which are distinguished by long and short sounds		
Operating temperature	0°C~40°C		
Storage temperature	-15°C~45°C		
Noise(dB)	<45dB		
Machine size (L*W*H)mm	352*235*110mm		



PORTABLE
POWER
INVERTER
HB SERIES

POWER SYSTEM HB

400W~8000W



FEATURES

- Pure sine wave output
- DC Start & Automatic Self-Diagnostic Function
- Automatically send signal to start generator
- High efficiency design for optimized battery performance
- Selectable charging current based on applications
- AC start-up voltage auto restart voltage With AVR voltage regulate function
- lead acid battery/Lithium battery

APPLICATION



Outdoor reconnaissance



Base station/base



Farming/animal husbandry



Fisheries

HB SERIES
PARAMETERS

Model	HB0512	HB0812	HB1012	HB1512	HB1524	HB2024F	HB3024F	HB3048F	HB5048F	HB10048F
AC input voltage	220V/110V									
Input voltage range	220V(145-275VAC±3V) 110V(73-137VAC±3V)					220V:154-264VAC±3V(Normal mode) 185-264VAC±3V(UPS mode) 110V:77-132VAC±3V(Normal mode) 92-132VAC±3V(UPS mode)				
Input frequency	50/60Hz±5%									
Output rated power	400W	640W	800W	1200W	1200W	1600W	2400W	2400W	4000W	8000W
AC Mode output voltage	The same as input voltage									
AC Mode output frequency	The same as input frequency									
Battery Mode output voltage	220VAC±10%(110VAC±10%)									
Battery Mode output frequency	50HZ or 60HZ±1%									
Battery Mode output wave	Pure Sine Wave									
Battery type	Lead acid battery/water battery/lithium battery									
Battery voltage	12V				24V			48V		
Battery charging voltage	13.75VDC				27VDC			54VDC		
Max AC charging current	8A	13A	18A	30A	15A	20A	30A	15A	22A	56A
Battery charging voltage range	150-280VAC									
Transfer time	≤10ms									
Load peak ratio	(MAX)3:1									
ECO Mode(w)	6W	8W	9W	11W	12W	15W	16W	16W	23W	32W
Protection	Overload /Short circuit/Low voltage/Battery reverse connection protection									
Status display	AC voltage/AC frequency/Output frequency/Battery voltage/Load current									
Audible alarm	Low battery protection buzzer long beep Low battery buzzer every second Overload buzzer long Overload less than 130%, buzzer every second;overload more than 150%, after 300ms, it will turn off Machine fault buzzer long									
Working temperature	0°C~40°C									
Storage temperature	-15°C~45°C									
Relative temperature	-10°C~90°C No condensation									
Noise	<45dB									
Dimention(mm)	300*144*213					385*190*382				552*190*382
Net weight (kg)	6.5	6.9	7.8	8.59	9.5	14.6	17.2	17.85	22	36.1








SOLAR CONTROLLER

MG SERIES

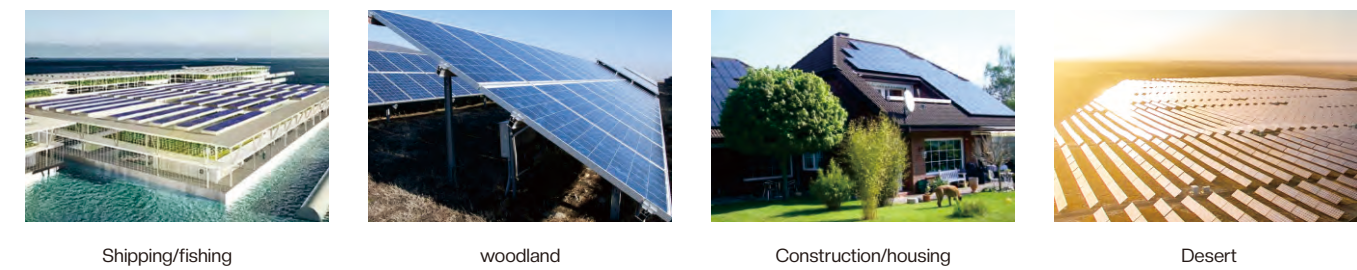
MPPT MG SERIES 40A-60A



FEATURES

-  Can support WIFI
-  12/24/36/48V adaptive
-  Three-stage smart charging
-  Adjustable parameters by pressing buttons
-  It can connect Lead acid battery/lithium battery /waterbattery

APPLICATION



Shipping/fishing

woodland

Construction/housing

Desert

MG SERIES PARAMETERS

Model		MG40415	MG60415
System Voltage		12/24VDC (Adaptive)	12/24/36/48VDC (Adaptive)
Operating Voltage Range Of Controller		9~32V	10~64V
Lead Acid Batteries Type		Maintenance-free (default) lead acid battery, GEL battery, open lead acid battery, custom	
Lithium Battery Type		Lithium iron phosphate/lithium ternary/custom	
Nominal Current		40A	60A
Solar panel rated input power		400W/12V	800W/12V
		800W/24V	1200W/24V
		/	2400W/36V
		/	3200W/48V
Pv Input Maximum Open Circuit Voltage (voc)		100VDC	150VDC
Maximum power point operating voltage range	12V	18~100VDC	18~100VDC
	24V	36~10VDC	36~150VDC
	36V	/	50~150VDC
	48V	/	64~150VDC
Tracking Efficiency		≥99.9%	≥99.9%
Maximum conversion efficiency		85%~98%	
Temperature compensation coefficient		-3mv/~2V	
Static Loss		200mA/12V;100mA/24V;50mA/48V;	
DC Load Output Voltage		Same as Battery Voltage	
Rated Output Current Of DC Load		20A	
DC Load Output Control Mode		Normally open or normally closed mode	
Protections		PV input anti reverse connection protection, Battery input reverse connectionprotection, Battery overcharge protection, Battery undervoltage protection, Battery overtemperature protection and Machine over temperature protection	
IP Level		IP32	
Heat Dissipation Mode		Air cooling	
Communication		RS485/RS232	
Lcd Backlight Time		The default is 60s, and the backlight mode can be set	
Working Temperature		-20℃~+50℃	
Storage Temperature		-30℃ ~ +70℃	
Recommended Cable		11AWG/4mm²	7AWG/10mm²
N.W		1.4kg	1.45kg



MPPT ML SERIES

40A-100A



FEATURES

- Can support WIFI
- 12/24/36/48V adaptive
- Three-stage smart charging
- Adjustable parameters by pressing buttons
- It can connect Lead acid battery/lithium battery /waterbattery

APPLICATION



Shipping/fishing



woodland



Construction/housing



Desert

ML SERIES

PARAMETERS

Model		ML40415	ML60415	ML80415	ML100415	ML40425	ML60425	ML80425	ML100425
System Voltage		12/24/36/48VDC(Adaptive)				96VDC			
Rated current		40A	60A	80A	100A	40A	60A	80A	100A
Charging mode		MPPT maximum power point tracking							
Applicable battery type		Sealed lead acid battery, GEL lead acid battery, open lead acid battery (can also customize parameters for other types of battery charging)							
Charging method		Three stages: constant cairent rent foltage, floating charge							
PV input maximum open circuit voltage (VOC)		DC150V				DC250V			
Starting time		≤10s							
Dynamic response recovery time		≤500us							
Static power		≤4W		≤8W		≤4W		≤8W	
MPPT Trackingefficiency		≥99.5%							
Max efficiency		≥98%							
System identified voltage range		10~64V				10~64V			
Maximum power point operating voltage range	12V	20~150V				20~250V			
	24V	36~150V				36~250V			
	36V	48~150V				48~250V			
	48V	64~150V				64~250V			
Rated charging power	12V	540W	800W	1040W	1300W	540W	800W	1040W	1300W
	24V	540W	1080W	2080W	2600W	540W 1620W	1080W	2080W	2600W
	36V	1620W	2400W	3120W	3900W	2160W	2400W	3120W	3900W
	48V	2160W	3200W	4160W	5200W		3200W	4160W	5200W
	96V	/				4160W	6240W	8320W	10400W
Load voltage		Same as Battery Voltage							
Rated load current		40A							
Load control method		Normally ON/OFF mode/time control mode/light control mode							
Load undervoltage protection		10.5V*N (N stands for batteries number) Parameters can be adjustable							
Cooling		Air Cooling							
Display		HD LCD backlight display							
Protections		Input and output over&low-voltage protection, input and output anti-reverse protection, over-temperature protection, load over-current protection							
Temperature compensation coefficient		-3mV/°C~~/2V							
Working temperature		-20°C~+50°C							
Storage temperature		-40°C~+70°C							
Noise (dB)		≤50dB							
Humidity		0~90%RH							
Working altitude		0~3000M							
Dimension, L*W*H		219*260*110		275*348*109		219*260*110		275*348*109	
Net Weight (KG)		2.8KG		4.6KG	5.2KG	2.8KG		4.6KG	5.2KG
specification Suggested wire specification		7AWG/10mm²	6AWG/16mm²	4AWG/25mm²	2AWG/35mm²	7AWG/10mm²	6AWG/16mm²	4AWG/25mm²	2AWG/35mm²









RV **FC SERIES**
INVERTER

RV INVERTER FC SERIES

1300VA~6000VA



FEATURES

-  Pure sine wave output, can adapt to different loads
-  Output Short Circuit Protection
-  Multiple parameters can be adjusted to suit the user's needs
-  RV inverter, external LED or LCD
-  External Power Supply 12V automatic boot
-  Sepcial designed for vehicles,more durable quality

APPLICATION



Special vehicles



RV



Fire trucks



Ambulance

FC SERIES
PARAMETERS

Model	FC1312	FC2512/24/48	FC3812/24/48	FC6024/48
Input Capacity (VA)	1300VA	2500VA	3800VA	6000VA
Battery Voltage (DC)	12V	12/24/48V	12/24/48V	24/48V
Input Nominal Voltage	220V			
Voltage Range	154-264VAC±3V(Default Mode), 185-264VAC(UPS Mode)			
Input Frequency	50/60Hz±5%			
Rated output power	1000W	2000W	3000W	5000W
Output Voltage	220VAC±10%(110VAC±10%)			
Output Frequency	50Hz or 60Hz±1%			
Output Waveform	Pure sine wave			
Output Transfer time	≤10ms（UPS mode ）/≤20ms（INV Mode）			
Bypass Mode	Yes			
Load peak ratio	(Max) 3:1			
Saver Mode	Yes			
Efficiency	>98%			
AC Mode	None	Input overcurrent protection		
DC mode	Overload Protection, Short Circuit Protection, Low Voltage Protection, (Battery Reverse Connection optional).			
Battery Type	AGM-Deep Cycle,GEL and Lithium Battery; Up to 500Ah			
AC charging current(Max)	25A	48/24/12A	73/36/18A	58/29A
Low Level disconnect (Selectable)	\	(10V or 10.5V)xN N means the number of batteries in series		
LCD Indicator status	Three LED lights (Inverter/AC, Charging, Alarm)	Input AC,Output AC ; Battery DC.Output Load Alarm,Fault ; Battery Charge Level ; Output Frequency		
LED Indicator status		AC Line In:Green; Inverter: Green Charging:Yellow ; Alarm: Red		
Low battery alarm		Audible alarm-1 beeping per seconds		
Overload alarm	\	Audible alarm-continuous beeping When the overload is less than 130%,Audible alarm-1 beeping per seconds, and the output will be turned off after 30s. When the overload is larger than 150%, the output will be turned off after 300ms.		
Fault		Audible alarm-continuous beeping		
Temperature	0-40℃			
Storage Temperature	-15℃~45℃			
Relative Temperature	-10℃~90℃, Non condensing			
Noise(dB)	<55dB			