

SAINTISH

ALL-IN-ONE OFF-GRID SOLAR INVERTER

SNK4830-3/SNK4850-3



Product Overview

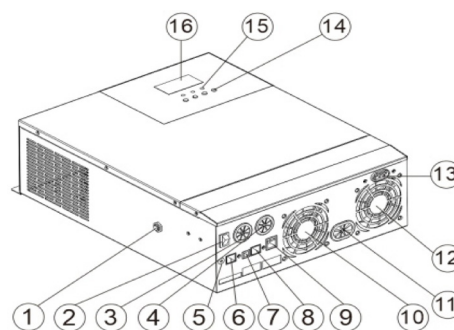
The all-in-one off-grid solar inverter, which integrates solar MPPT charging controller and AC sine wave output. Thanks to DSP control and advanced control algorithm, it has a high response speed and high reliability.

- Adopting full digital voltage and current double closed-loop control and advanced SPWM technology to output pure sine wave.
- Two output modes options: mains bypass and inverter output to achieve uninterrupted power supply function.
- Available in four charging modes: Only Solar, Mains Priority, Solar Priority and Mains & Solar hybrid charging.
- Efficiency up to 99.9% with MPPT technology.
- Wide MPPT voltage range.
- With function of activating lithium battery with solar energy and AC mains power, it supports connection of lead-acid battery and lithium battery.
- ON/OFF rocker switch may control AC output.
- LCD screen design and LED indicator lights dynamically display system data and operation status.
- With power saving mode function, it may reduce no-load loss.
- Intelligent adjustable speed fan is adopted for efficient heat dissipation and extended system life.
- Possessing multiple protection functions and 360° comprehensive protections.

Connection Diagram



Structures



- ①Overload protector ②ON/OFF rocker switch ③AC input port
④AC output port ⑤Grounding screw hold ⑥RS485-2 communication port
⑦USB communication port ⑧RS485-1 communication port
⑨Dry contact port ⑩Cooling fan ⑪Battery port ⑫Cooling fan
⑬PV port ⑭Touch the key lightly ⑮Indicator light ⑯LCD screen

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AUSTRALIAN CUSTOMER SERVICE

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Model	SNK4830-3		SNK4850-3
AC mode			
Rated input voltage	220Vac/230Vac		
Input voltage range	(170Vac~280Vac) ±2% ; (90Vac-280Vac) ±2%		
Frequency	50Hz/ 60Hz (auto-sensing)		
Frequency Range	47±0.3Hz ~ 55±0.3Hz (50Hz)/57±0.3Hz ~ 65±0.3Hz (60Hz);		
Overload/short circuit protection	Breaker		
Efficiency	>95%		
Conversion time (bypass and inverter)	10ms (Typical value)		
AC reverse protection	yes		
Maximum bypass overload current	40A		
Inverting mode			
Output voltage waveform	Pure sine wave		
Rated output power(VA)	3000(2600/2700/3000)	5000(4350/4500/4800/5000)	
Rated output power(W)	3000(2600/2700/3000)	5000(4350/4500/4800/5000)	
Power factor	1		
Rated output voltage (Vac)	230Vac (200/208/220/240Vac settable)		
Output voltage error	±5%		
Output frequency range (Hz)	50Hz ± 0.3Hz/60Hz ± 0.3Hz		
Efficiency	>90%		
Overload protection	(102%<load<125%) ±10%: reporting error and turn off the output after 5 minutes; (125%<load<150%) ±10%: reporting error and turn off the output after 10 seconds; Load>150% ±10%: reporting error and turn off the output after 5 seconds.		
Peak power	6000VA	10000VA	
Loaded motor capacity	2HP	4HP	
Output short-circuit protection	Breaker		
Specification of bypass breaker	40A		
Rated battery input voltage	48V (minimum start voltage 44V)		
Battery voltage range	40.0Vdc~60Vdc ± 0.6Vdc (undervoltage alarm/turnoff voltage/ overvoltage alarm/overvoltage restoration...settable LCD screen)		
Power saving mode	Load ≤50W		
AC charge			
Battery type	Lead acid or lithium battery		
Maximum charge current	60A		
Charge current error	± 5Adc		
Charge voltage range	40~60Vdc		
Short-circuit protection	Breaker and blown fuse		
Breaker specification	40A		
Overcharge protection	Turn off charge after 1min alarm		
Solar charge			
Maximum PV opencircuit voltage	500Vdc		
PV operation voltage range	120-500Vdc		
MPPT voltage range	120-450Vdc		
Battery voltage range	40-60Vdc		
Maximum output power	4200W	5000W	
Charge current range of solar energy (settable)	0-60A	0-80A	
Charge short-circuit protection	Blown fuse		
Wiring protection	Reverse polarity protection		
Authentication specification			
Specification authentication	CE (IEC62109), RoHs		
EMC authentication grade	EN61000		
Operation temperature range	-15°C to 55°C		
Storage temperature range	-25°C ~ 60°C		
Humidity range	5% to 95% (Conformal coating protection)		
Noise	≤60dB		
Thermal dissipation	Forced cooling with adjustable air speed		
Communication interface	USB/RS485 (WiFi/GPRS)/dry mode control		
Dimension (L*W*D)	426*322*126mm		
Weight (kg)	10.9		

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SAINTISH

PURE SINE WAVE POWER INVERTER WITH MPPT

SNL1000M-5~SNL3000M-5

Product Overview

SAINTISH pure sine wave power inverter with MPPT is a new type of all-in one off-grid inverter integrating solar MPPT controller and battery charger in the inverter.

The advanced SAINTISH pure sine wave technology will protect and extend the life of your electronics and appliances. Special design lets your electronics run smoother, cooler and quieter.



Under voltage protection



Overvoltage protection



High voltage protection



Short circuit protection

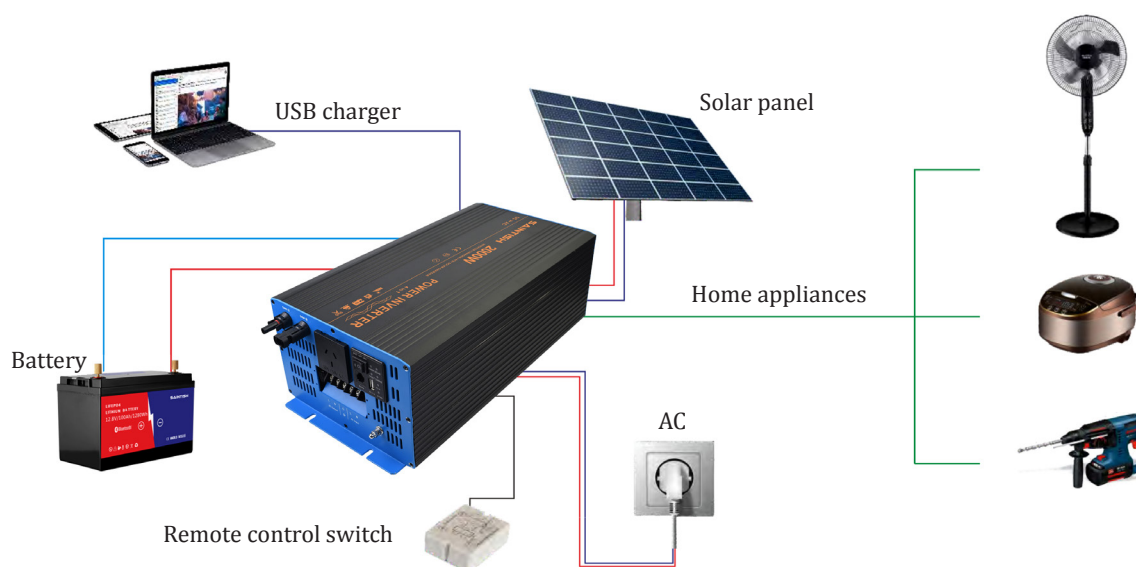


Reverse polarity protection



Overheat protection

Connection Diagram

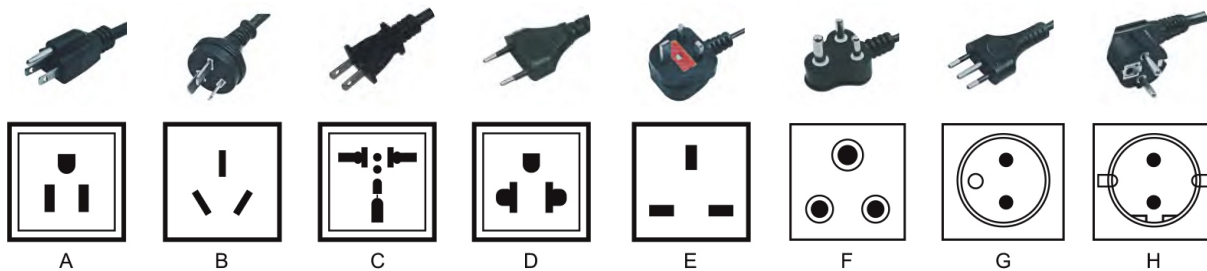


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Model		SNL1000M-5	SNL1500M-5	SNL2000M-5		SNL2500M-5	SNL3000M-5
Rated Power		1000W	1500W	2000W		2500W	3000W
Surge Power		2000W	3000W	4000W		5000W	6000W
Frequency		50/60Hz					
Inverter part	Input voltage	12V				24V	
	Input voltage range	10.5-15V			21-30V		
	Output voltage	110V/230V					
	AC regulation	10%					
	Wave form	Pure sine wave(THD<5%)					
	Efficiency	87%	88%	89%	88%	89%	90%
	Low voltage alam	10.5±0.5V	21±1V	42±2V	10.5±0.5V	21±1V	42±2V
	Low voltage shut down	10.0±0.5V	20±1V	40±2V	10.0±0.5V	20±1V	40±2V
	Over voltage shut down	16.0±0.5V	32±1V	64±2V	16.0±0.5V	32±1V	64±2V
	Reverse polarity	FUSE					
	Over load shut down	120% rated power(output voltage shut down.re-power on to recovery)					
	Over temperature shut down	75℃ (shut down output voltage, repower on to recovery)					
AC charger part	Input voltage range	110V/230V					
	Charging current	20A	10A	5A	20A	10A	5A
	Output voltage	12V	24V	48V	12V	24V	48V
	Charging way	Automatic 3 stage charging					
Solar charger Part	MPPT charger efficiency	97%					
	PV input voltage range	15-70V	24-70V	48-70V	15-70V	24-70V	48-70V
	PV Solar charge currnet	20A MAX					
Remote control		Optional					
Operating model		UPS mode or saving mode					
Working temperature		0~40℃ @100% load; 60℃ @50%load					
Working humidity		20%~90%RH non-condensing					
Storage temperature		-30-70℃					
Certification		CE-EMC/LVD,ROHS/REACH/IATF16949					



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SAINTISH

PURE SINE WAVE POWER INVERTER WITH CHARGER

SNL300U-5~SNL4000U-5

Product Overview

SAINTISH pure sine wave power inverter with charger is an off-grid inverter integrated with the battery charger.

It transforms the DC power stored in a battery bank into the standard household AC power for your electrical needs. And it charges your battery bank with grid power.

The inverter delivers a superior performance for the off-grid applications, supplying a stable and uninterrupted power for the loads that are sensitive to AC voltage variations. As a pure sine wave inverter, it is capable of supplying the cleaner, smoother, quieter, and more reliable electricity to the fans, lights and other electronics without any interference.



Under voltage protection



Overvoltage protection



High voltage protection



Short circuit protection

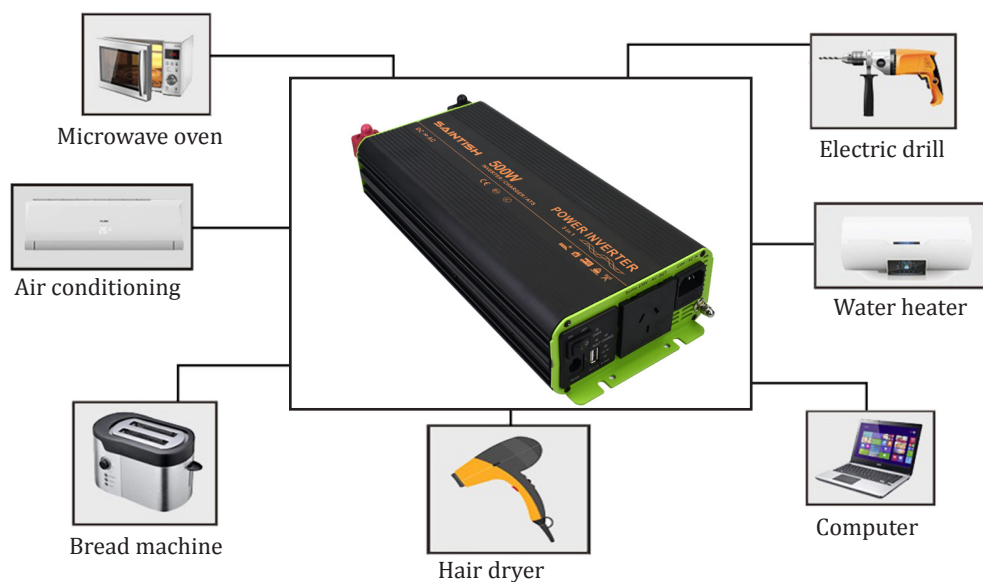


Reverse polarity protection



Overheat protection

Connection Diagram



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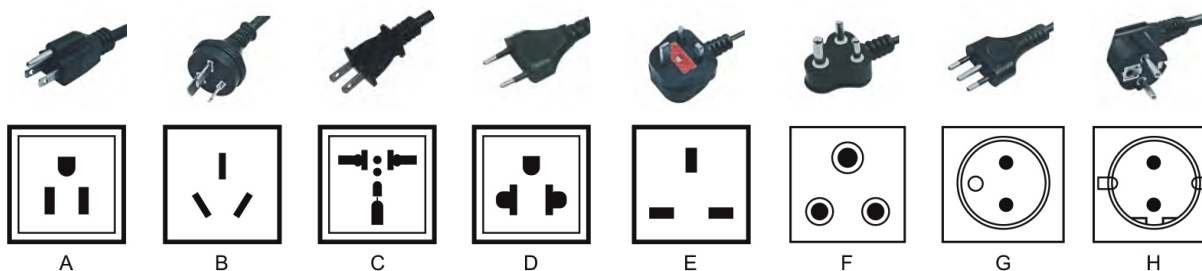
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Model	SNL300U-5	SNL500U-5	SNL1000U-5	SNL1500U-5	SNL2000U-5	SNL2500U-5	SNL3000U-5	SNL4000U-5
Rated Power	300W	500W	1000W	1500W	2000W	2500W	3000W	4000W
Surge power	600W	1000W	2000W	3000W	4000W	5000W	6000W	8000W
Inverter part								
DC Input Voltage	12V/24V/48V							
AC Output Voltage	110V/230V							
Charger part								
AC Input Voltage	90~120V/190-265V							
DC Output Voltage	12V/24V/48V							
Max current	20A/10A/5A							
Output frequency	50/60HZ							
No load current draws	<0.35A	<0.40A	<0.42A	<0.53A	<0.63A	<0.72	<0.78	<0.85
Output wave form	Pure sine wave							
Transfer time	<10ms							
USB port	5V/2.1A							
Protection function	Bat. low voltage alarm/shut down/over temperature/over voltage/short corciot/reverse/earth leakage/over load							
Battery type	lead-acid batteries & ST series lithium batteries							
Remote control	Optional							
Cooling fan	By load and temperature control							
Certification	CE-EMC/LVD/RoHS/IATF16946							
Accessories	Manual+Cables							
Packing	Poly bag+EPE+INNER box+carton							



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SAINTISH

PURE SINE WAVE POWER INVERTER

SNL300-5~SNL6000-5

Product Overview

SAINTISH pure sine wave power inverter is an off-grid inverter that transforms the DC power stored in a battery bank into the standard household AC power for your electrical needs.

The inverter delivers a superior performance for the off-grid applications, supplying a stable power for sensitive loads. As a pure sine wave inverter, it is capable of supplying the cleaner, smoother, quieter, and more reliable electricity to the fans, lights and other electronics.



Under voltage protection



Overvoltage protection



High voltage protection



Short circuit protection



Reverse polarity protection



Overheat protection

Connection Diagram



Materials & Size



Remote Controller



Battery Cables



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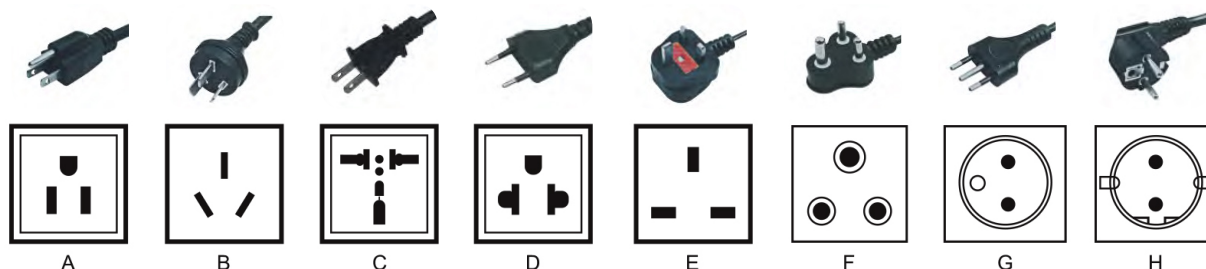
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Model	SNL300-5	SNL500-5	SNL600-5	SNL800-5	SNL1000-5	SNL1500-5	SNL2000-5	SNL2500-5	SNL3000-5	SNL4000-5	SNL5000-5	SNL6000-5
Rated Power	300W	500W	600W	800W	1000W	1500W	2000W	2500W	3000W	4000W	5000W	6000W
Surge power	600W	1000W	1200W	1600W	2000W	3000W	4000W	5000W	6000W	8000W	10000W	12000W
DC Voltage	12V/24V/48V					12V/24V/48V			12V/24V/48V			
OUTPUT												
Output voltage	AC110V/230V					AC110V/230V			AC110V/230V			
Output frequency	50/60HZ					50/60HZ			50/60HZ			
No load current draws	<0.35A	<0.42A	<0.44A	<0.53A	<0.57A	<0.63A	<0.67A	<0.73A	<0.81A	<0.86A	<1.1A	<1.1A
Output wave form	Pure sine wave					Pure sine wave			Pure sine wave			
USB port	5V/2.1A					5V/2.1A			5V/2.1A			
Protection function	Over temperature, over load					Over temperature, over load			Over temperature, over load			
	Short circuit, earth leakage					Short circuit, earth leakage			Short circuit, earth leakage			
INPUT												
Efficiency	More than 85%					More than 85%			More than 85%			
Protection function	Over voltage, reverse polarity					Over voltage, reverse polarity			Over voltage, reverse polarity			
	Bat. low voltage alarm&shut down					Bat. low voltage alarm&shut down			Bat. low voltage alarm&shut down			
Battery type	Lead-acid batteries & ST series lithium batteries					Lead-acid batteries & ST series lithium batteries			Lead-acid batteries & ST series lithium batteries			
Remote control	Optional					Optional			Optional			
OTHER PARAMETERS												
Cooling fan	By load and temperature control					By load and temperature control			By load and temperature control			
Certification	CE-EMC/LVD/RoHS/IATF16946					CE-EMC/LVD/RoHS/IATF16946			CE-EMC/LVD/RoHS			
Accessories	Manual+Cables					Manual+Cables			Manual+Cables			
Packing	Poly bag+EPE+INNER box+carton					Poly bag+EPE+INNER box+carton			Poly bag+EPE+INNER box+carton			



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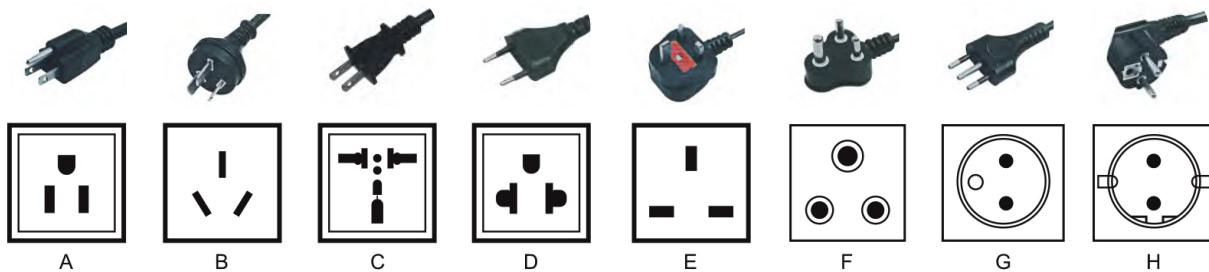
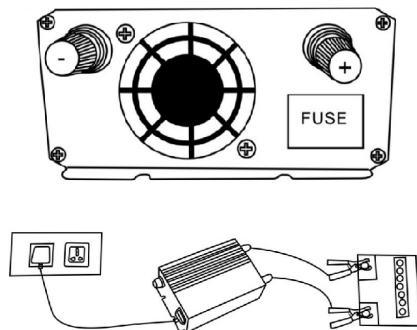
SAINTISH

SMART BATTERY CHARGER

SC1210/SC1220/SC1230/SC1240



CHARGING CONNECTIONS



Under voltage protection



Overvoltage protection



High voltage protection



Short circuit protection



Reverse polarity protection



Overheat protection

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SAINTISH

Model	SC1210	SC1220	SC1230	SC1240
Input voltage	AC 110V (90-120V)/AC 220V (180-240V)			
Output voltage	DC 12V			
Max charging current	47/63Hz			
Charging way	Automatic 3 stage charging			
	Stage 1: Bulk charge			
	Stage 2: Absorption charge			
	Stage 3: Float charge			
Efficiency	>85%			
Protection function	Reverse polarity, output short circuit, over temperature			
	Over voltage, over load, over current			
LED indicator	4 LED indicators for different charge status			
Product dimension(mm)	130x150x56	160x150x56	230x150x56	260x150x56
Warranty	12 months			
Product Net weight	0.75kg	0.85kg	2.1kg	2.2kg
Certification	CE-EMC/LVD, ROHS/REACH/IATF16949			
Packing Information	Poly bag+EPE+INNER box+Carton 1pc/inner box			
	12PCS/CTN	5PCS/CTN	6PCS/CTN	6PCS/CTN
	Manual+Cables+Fuse			
CTN Meas(CM)	54x42x30	32x45x38	42x42x46	42x42x46
N.W/G.W(KG)	16.5/17.5	14.5/16.5	12.5/14.3	13.6/15.3



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SAINTISH

POWER-X OFF-GRID SYSTEM

SS-SUN5000/SS-SUN10000

Product Overview

The Saintish Power-X Off-grid System is one of the most powerful all-in-one off-grid energy storage system, specially designed for emergencies, power outages, and households with unstable electricity or without grid.



Performance Characteristics

- **Fast charging**
1.5 hours charging time from 0% to 100% SOC when charging with full current
- **Powerful output**
5kw power output, peak power up to 10kw
- **360°comprehensive protections**
Complete protections with short circuit protection, overvoltage and undervoltage protection, overload protection, back-flow protection, reverse polarity protection, etc.
- **Wi-Fi connection**
Convenient monitoring on the mobile phone with Wi-Fi module
- **Easy maintenance**
Module design, easy for maintenance and future upgrade
- **Light for the dark**
Blue lights on the sides of the door to light Power-X in the dark



APPLICATIONS



RV



Yacht



Home



Power Outage



UPS

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Model	SS-SUN5000		SS-SUN10000	
Power Input				
Rated AC Input Voltage	230VAC ± 5%			
Rated AC Input Frequency	50Hz/60Hz			
Maximum AC Bypass Current	40A			
Maximum Battery Charge Current (AC)	60A ± 5			
Solar Input Voltage Range	60VDC~145VDC			
Solar MPPT Voltage Range	60VDC~115VDC			
Maximum Solar Input Power	4200W			
Solar charge current range	0-80A			
Power Output				
Rated AC Output Voltage	230VAC ± 5%			
Rated AC Output Frequency	50Hz/60Hz			
Rated Output Power	5000W			
Peak AC Output Power	10000W			
Peak Efficiency	>92%			
Battery				
Battery Type	Lithium Iron Phosphate			
Nominal Battery Voltage	51.2VDC			
Rated Battery Capacity	100Ah		200Ah	
Rated Battery Energy	5.12KWh		10.24KWh	
Cycle Life	4000 Cycles (80% DOD, 0.5C/0.5C, 25°C)			
General				
Dimension	23.6x21.8x36.6 inch / 600 x 555 x 930 mm (L*W*H)			
Weight	242.5 lbs./110 kg		352.7 lbs./160 kg	
Cooling Method	Fan			
Operating Temperature Range	5°F~131°F / -15°C~55°C			
Operating Relative Humidity Range	5%~95%			
Noise	≤60dB @ 1m			
WIFI Module	Yes			
Protection Degree	IP20			
Certifications				
51.2V 100Ah Lithium Iron Phosphate Battery	CB/CE/UN38.3			
48V 5000W Solar Inverter Charger	CE			
Warranty				
51.2V 100Ah Lithium Iron Phosphate Battery	5 Years Material and Workmanship Warranty			
48V 5000W Solar Inverter Charger	1 Year Material and Workmanship Warranty			

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SAINTISH

12.8V 100AH LITHIUM ION BATTERY ST100/ST100BT



Features and Benefits

- **5 years warranty**
- **> 3000 cycles @100% DoD**
Much longer cycle life compared with lead acid battery, which will minimize replacement cost.
- **Lighter weight but high energy density**
1/3 of the weight of lead acid, lowering total weight of application, but delivers twice power.
- **Smart BMS control**
With integrated BMS protection
- **CE / UN38.3 / MSDS Certified**
- **App monitoring is optional**

Nominal Voltage	12.8V
Nominal Capacity	100Ah
Energy	1280Wh
Measurements(L*W*H)	327*172*223mm
Weight	11.8Kgs
Terminal Type	M8*1.25*10mm
Terminal Torque	12 ~ 15 Nm
Case Material	ABS-FR
Enclosure Protection	IP65
Max. Batteries in Parallel & Series	4P4S
Discharge temperature	-20~60℃
Charge temperature	0~45℃

Max.continuous discharge current	100A
Recommended Discharge Current	50A
Recommended Low voltage disconnect	10V
BMS Discharge cut-off voltage	>8.4V (50-150ms)
Reconnect Voltage	> 10V
Short circuit Protection	200-600μs
Recommended charge current	20A
Maximum charge current	50A
Recommended Charge Voltage	14.6V
BMS charge cut-off voltage	<15.2V(0.5-1.5s)
Reconnect Voltage	>14.4V
Balancing Voltage	< 14.4V

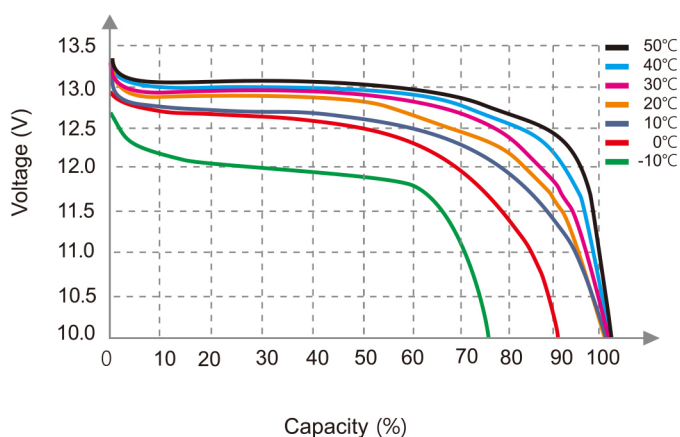
Note: Cell and battery designs/specifications are subject to modification without prior notice. Please contact SAINTISH for the latest information.

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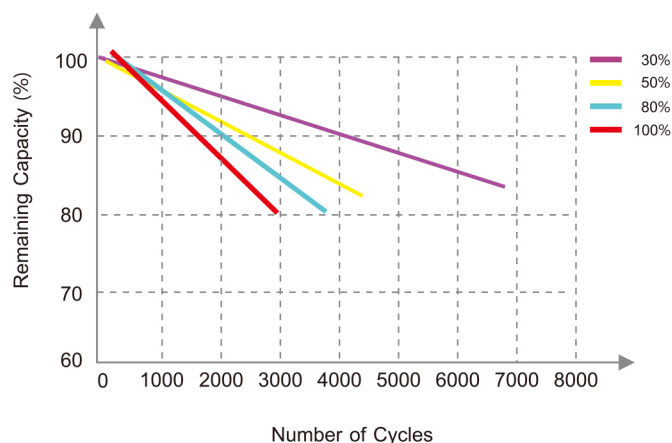
AUSTRALIAN CUSTOMER SERVICE
Zeus Appollo Solar
QLD office: 32 Crockford Street, Banyo, QLD4014
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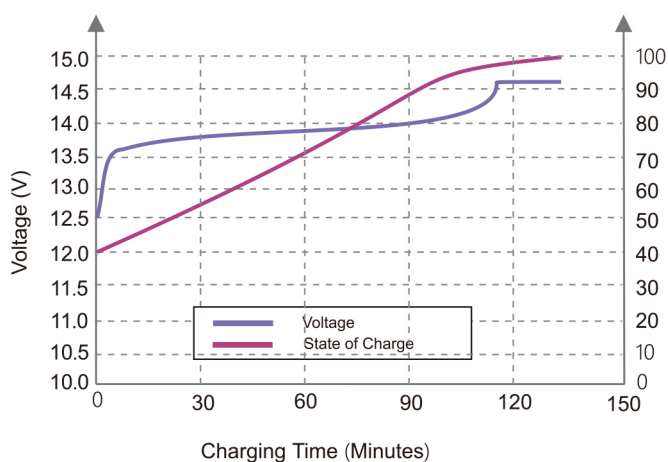
Different Temperature Discharge Curve(0.5C)



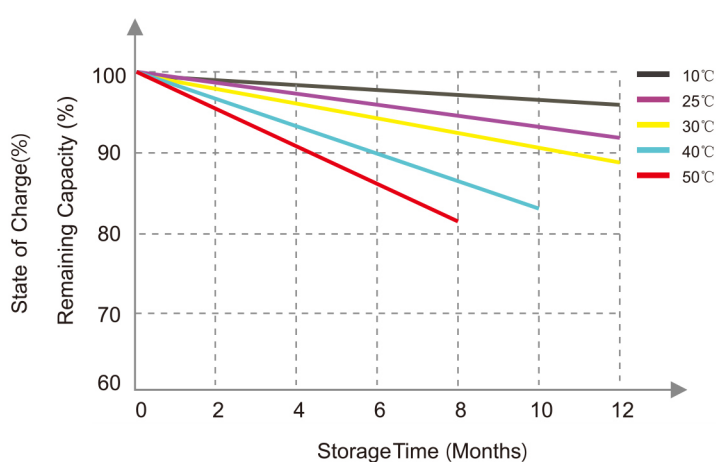
Different DOD Discharge Cycle Life Curve(1C)



State of Charge Curve(0.5C,25°C)



Different Temperature Self Discharge Curve



APPLICATIONS

Lithium Iron Phosphate can be used in most applications that use Lead Acid, GEL or AGM type batteries.

Suitable applications include:

- Caravan
- Marine
- Golf Car
- Buggies
- Solar Storage
- Remote Monitoring

CAUTIONS

- Do NOT short circuit, crush or disassemble.
 - Do NOT heat or incinerate.
 - Do NOT immerse in any liquid.
 - Storing at 50% capacity. Recharging every 3 months.
- The storage area should be clean, cool, dry and ventilated.

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12.8V 200AH LITHIUM ION BATTERY ST200/ST200BT



Features and Benefits

- **5 years warranty**
- **> 3000 cycles @100% DoD**
Much longer cycle life compared with lead acid battery, which will minimize replacement cost.
- **Lighter weight but high energy density**
1/3 of the weight of lead acid, lowering total weight of application, but delivers twice power.
- **Smart BMS control**
With integrated BMS protection
- **CE / UN38.3 / MSDS Certified**
- **App monitoring is optional**

Nominal Voltage	12.8V
Nominal Capacity	200Ah
Energy	2560Wh
Measurements(L*W*H)	522*240*218mm
Weight	23.9Kgs
Terminal Type	M8*1.25*10mm
Terminal Torque	12 ~ 15 Nm
Case Material	ABS-FR
Enclosure Protection	IP65
Max. Batteries in Parallel & Series	4P4S
Discharge temperature	-20~60℃
Charge temperature	0~45℃

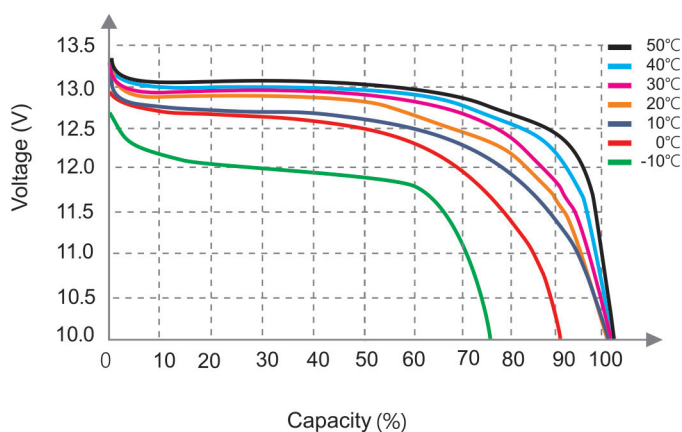
Max.continuous discharge current	100A
Recommended Discharge Current	50A
Recommended Low voltage disconnect	10V
BMS Discharge cut-off voltage	>8.4V (50-150ms)
Reconnect Voltage	> 10V
Short circuit Protection	200-600μs
Recommended charge current	20A
Maximum charge current	50A
Recommended Charge Voltage	14.6V
BMS charge cut-off voltage	<15.2V(0.5-1.5s)
Reconnect Voltage	>14.4V
Balancing Voltage	< 14.4V

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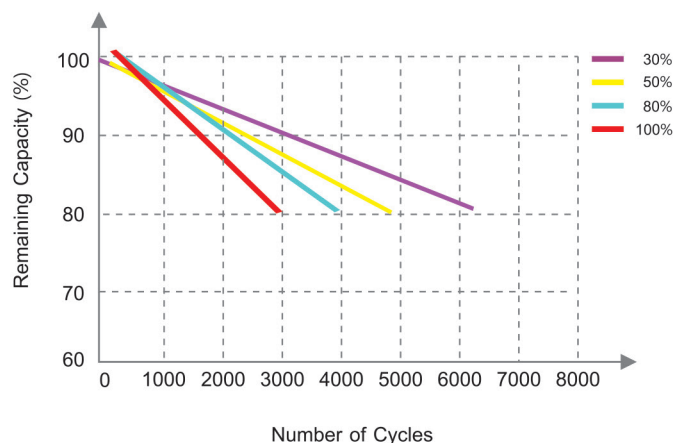
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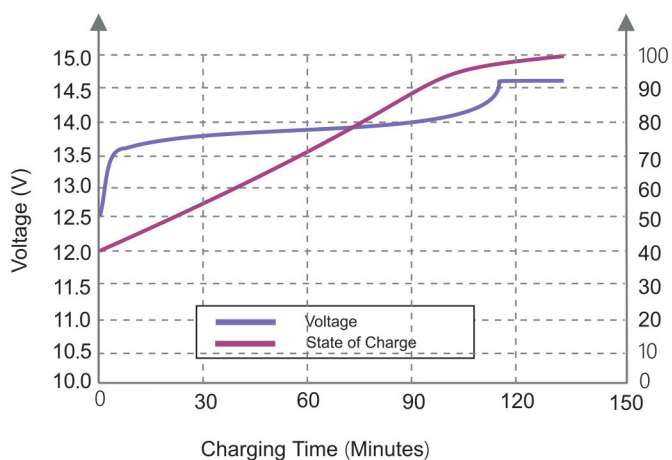
Different Temperature Discharge Curve(0.5C)



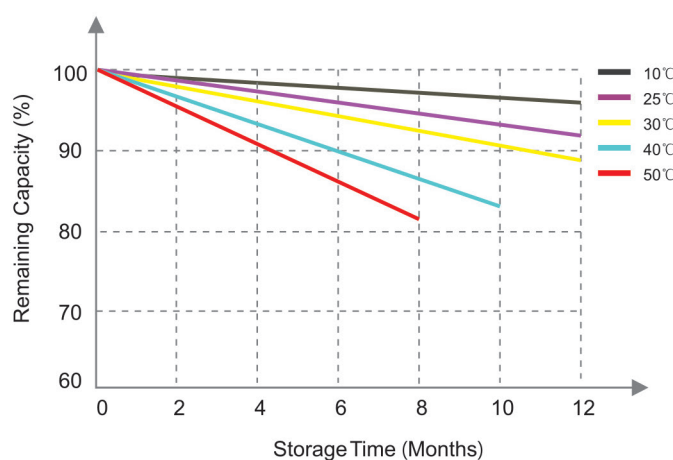
Different DOD Discharge Cycle Life Curve(1C)



State of Charge Curve(0.5C,25°C)



Different Temperature Self Discharge Curve



APPLICATIONS

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12.8V 100AH LITHIUM IRON PHOSPHATE BATTERY MODULE

ST12V100S



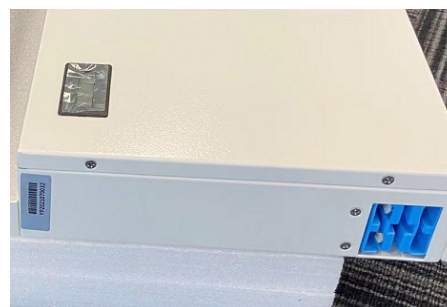
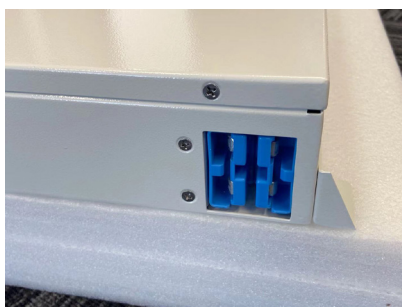
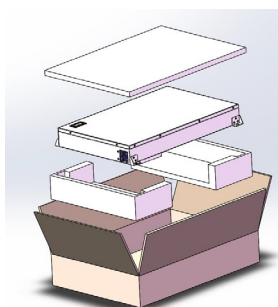
Features and Benefits

ST12V100S is 12.8V100Ah Lithium iron phosphate battery module which designed for storage and power supply system application. This battery module integrated with intelligent BMS with big advantages on safety, cycle life, energy density, temperature range and environmental protection.

Highlights

The battery module consists of single LFP cells, wire, BMS and ABS container.

- Packed with high performance LFP single cell, long life, safety and wide temperature range
- High energy density, small size, light weight, no pollution;
- Packing with single cell container, fire retardant wire and copper connecting bar, stable and safe.
- Built-in BMS, with battery voltage, current, temperature and health management.
- LCD (optional) indicate the battery SOC and operating status.
- Max 6pcs in series but no limit for parallel application
- More than 20 years design life, Stable performance, maintenance-free



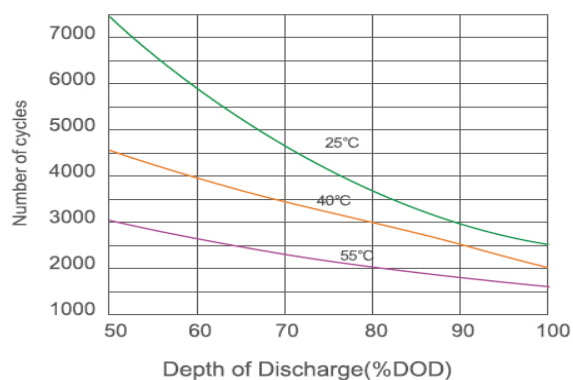
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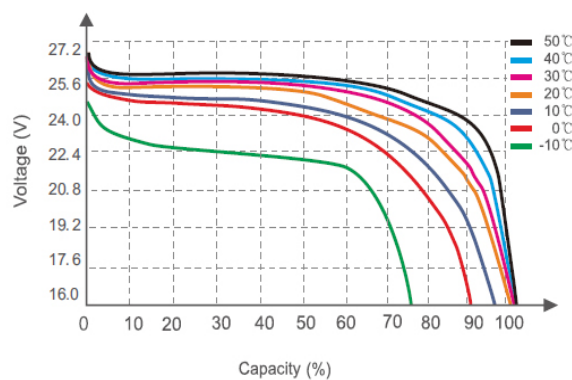
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Performance Curve

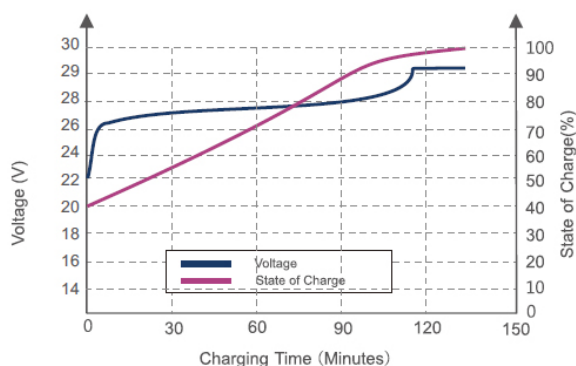
Different DOD Discharge Cycle Life Curve 1c 25C



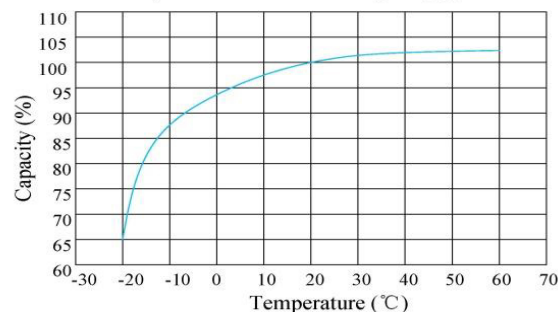
Different Temperature Discharge Curve(0.2C)



State of Charge Curve (0.5C, 25°C)



Temperature effects on capacity@0.8C



Item		Specification	Conditions
Nominal	Voltage	12.8V	25 °C ,0.2C
	Capacity	100Ah	
Module weight		15kg	±1kg
Dimensions(W*D*H), mm		275*440*87	±2mm
Operating parameters	Charging Voltage	14.8V	Suggest 13.8
	Discharging Voltage	9.2V-11.2V	Recommended 11.8V
	Charging current	Max constant charge: 100A	Recommended 50A
	Discharging current	Max constant discharge: 100A Pulse discharge: 300A for 3S	Recommended 50A
Temperature	Charge range	0 °C ~45 °C	
	Discharge range	-20 °C ~60 °C	
	Storage range	-20 °C ~45 °C	
BMS	Built-in BMS	Voltage, current, temperature management & cell balance	
Service life	Design life	>20years	0.2C, 25 °C
	Cycle life (90%DOD to 80% end)	>4000 times	
	Cycle life (100%DOD to 50% end)	>6000 cycles	@0.5C, 25 °C

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PORTABLE SOLAR PANEL

SJ-M36E-100

Warranty

- ◆ 2 years Manufacturer Warranty
- ◆ Warranty on Electrical Performance:
5 years 80% of power output.

Manufacturing

- ◆ Original cell sorting system ensures the best electric cell match
- ◆ EL-Testing before packing.
- ◆ Comprehensive module power testing.

Performance

- ◆ Upgraded module efficiency and portability.
- ◆ Weakened hot-spot effect, lower module failure rate and increased stability by shingle-tech.
- ◆ Optimized performance under low light conditions.
- ◆ Unique cell connection method lowers the internal resistance and ensures better performance than traditional connection with busbar.
- ◆ USB&DC outputs.

Mechanical Data Standard Test Conditions AM=1.5, E=1000W/m², TC=25℃

Nominal Power	100W
Cell Type	Monocrystalline
Module Efficiency	18.44%
Maximum Power Current (Impp)	5.35A
Maximum Power Voltage (Vmpp)	18.70V
Open-circuit Voltage (Voc)	22.10V
Short-circuit Current (Isc)	5.86A
Surface Material	ETFE
Output Tolerance	±3%
DC Connector Type	5.5*2.1mm
DC Output Current	5A (Max)
Output USB-A	5V/3A
Output USB-QC	5V3A/9V2A/12V1.5A
Certification	CE, RoHS
Working Temperature	-40℃ ~+80℃

Packaging

Folded Dimensions	600*565*30(mm)
Expanded Dimensions	1210*565*3(mm)
Module Weight	3.9kg



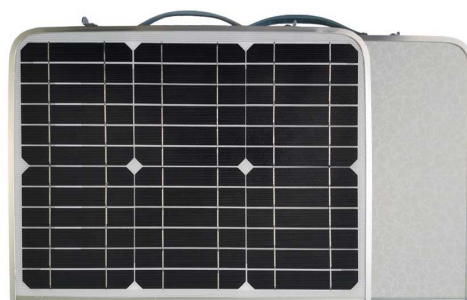
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FOLDABLE SOLAR TABLE

SJ-M6P-18/SJ-M6P-45



Model No.	SJ-M6P-18	SJ-M6P-45
Maximum Power[Wp]	18	45
Solar Cell	High efficiency mono solar cell	High efficiency mono solar cell
Cell Efficiency	17.90%	17.90%
Folded Size/L*W*H[mm/inch]	420*325*42/16.5*12.8*1.7	600*600*65/23.6*23.6*2.6
Open Size/L*W*H[mm/inch]	630*410*25/24.8*16.1*1	1210*600*32/47.6*23.6*1.3
Surface/frame/backsheet	Plastic/aluminium alloy/Plastic	Plastic/aluminium alloy/Plastic
Solar panel Input voltage[V]	5-32	5-32
Best working voltage[V]	18	18
Output-USB1	5V/3A,9V/2A,12V/1.5A,quick charge 3.0	5V/3A,9V/2A,12V/1.5A,quick charge 3.0
Output-USB2	5V 2.4A	5V 2.4A
Output-DC5521	***	Max 19v 2.4A
MPPT[Max Power Point Tracking]	12V,18V,24V	12V,18V,24V
Certification	CE ROHS	CE ROHS
Supporting Leg	Yes	Yes
Colour	white/black	white/black
Maximum table load[kg/lbs]	30/66	50/110
N.W[kg/lbs]	1.82/4.0	4.7/10.28
Max weight table support	30kg/66lbs	50kg/110lbs
Max temperature table surface resistant	85°C	85°C
packing size(L*W*H)[mm/inch]	440*345*82/17.3*13.6*3.2	620*620*105/24.4*24.4*4.1
Application	Outdoor, fishing, camping, leisure	Outdoor, fishing, camping, leisure, mobile promotion spot
Standard Test Conditions	STC: 1000W/m ² , AM 1.5 and cell temp 25°C	STC: 1000W/m ² , AM 1.5 and cell temp 25°C
Package	1pcs/bubble plastic bag, then in 1 carton box	1pcs/bubble plastic bag, then in 1 carton box



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