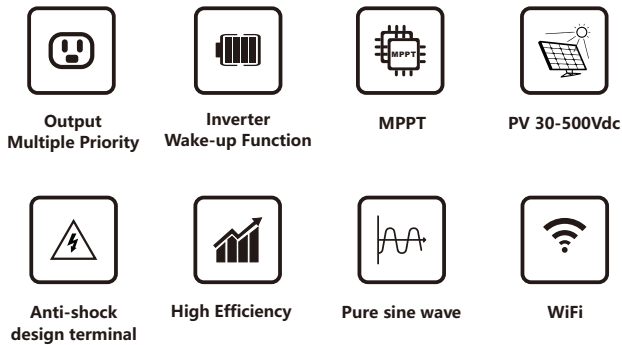


OFF GRID HYBRID INVERTER SP1000-12



Product Features

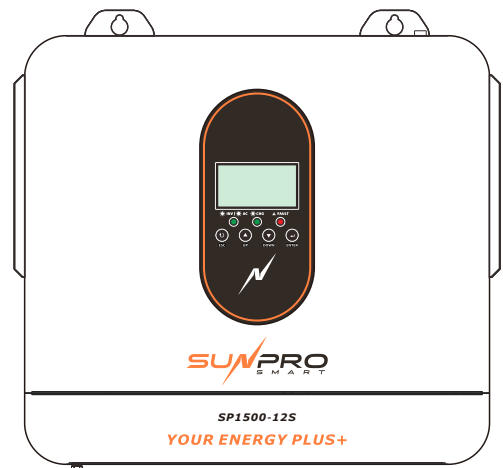
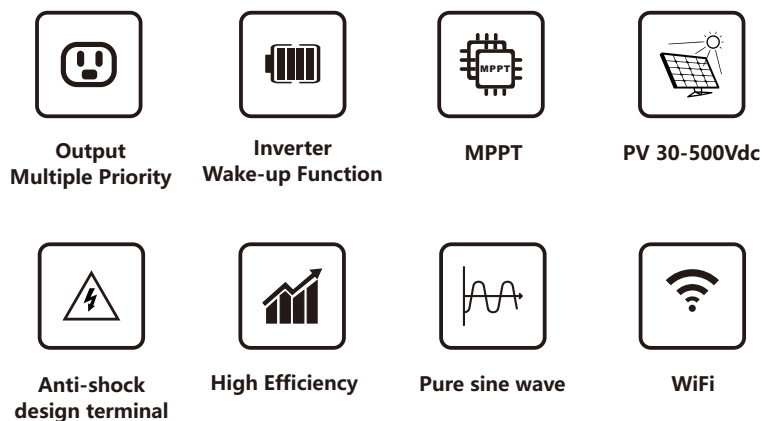
- **Battery Wake-up Function**
- **Pure Sine Wave**
- **PV Input 500Vdc Max**
- **Built-in MPPT 60A-100A**
- **Detachable dust cover for harsh environment**
- **Wifi remote monitoring optional**
- **Support multiple output priority: UTL,SOL,SBU,SUB**
- **EQ function to optimize battery performance and extend lifecycle**

Technical Data

MODEL		SP1000-12
Capacity	1000VA/1000W	
Parallel Capacity	NO	
Lithium Battery Activation	NO	
WIFI Optional	NO	
INPUT		
Nominal Voltage	230VAC	
Acceptable Voltage Range	170-280VAC(For personal Computer); 90-280VAC(For Home Appliances)	
Frequency	50/60 Hz (Auto sensing)	
OUTPUT		
Nominal Voltage	220/230VAC±5%	
Surge Power	2000VA	
Frequency	50/60 Hz	
Waveform	Pure Sine wave	
Transfer Time	10ms(For personal Computer); 20ms(For Home Appliances)	
Peak Efficiency (PV to BAT)	96%	
Peak Efficiency (Battery to INV)	93%	
Overload Protection	5s@ > =140% load; 10s@100%~140% load	
Crest Factor	3:1	
Admissible Power Factor	0.6~1 (inductive or capacitive)	
BATTERY		
Battery Voltage	12Vdc	
Floating Charge Voltage	13.5Vdc	
OverCharge Protection	15.5Vdc	
Charging Method	CC/CV	
Solar Charger & AC Charger		
Solar Charger TYPE	MPPT	
Max.PV Array Power	600W	
Max. PV Array Open Circuit Voltage	160VDC	
PV Array MPPT Voltage Range	30VDC~160VDC	
Max. Solar Input Current	30	
Max. Solar Charge Current	40A	
Max. AC Charge Current	40A	
Max. Charge Current(AC+PV)	80A	
PHYSICAL		
Dimensions, D x W x H(mm)	358x295x105	
Package Dimensions, DxWxH(mm)	384*339*174	
Net Weight (Kgs)	3.5	
ENVIRONMENT		
Operating Temperature Range	-10°C ~ 55°C	
Storage temperature	-15°C ~ 60°C	
Humidity	5% to 95% Relative Humidity (Non-condensing)	
Ingress Protection	IP21	

Product specifications are subject to change without further notice.

OFF GRID HYBRID INVERTER SP1200-12S SP3500-24S



Product Features

- Battery Wake-up Function
- Pure Sine Wave
- PV Input 500Vdc Max
- Built-in MPPT 60A-100A
- Detachable dust cover for harsh environment
- Wifi remote monitoring optional
- Support multiple output priority: UTL,SOL,SBU,SUB
- EQ function to optimize battery performance and extend lifecycle

Technical Data

MODEL	SP1500-12S		SP3500-24S	
Capacity	1500VA		3500VA/3500W	
Parallel Capability	NO		NO	
Lithium Battery Activation	YES(By PV)		YES(By PV)	
Lithium battery Communication	NO		NO	
INPUT				
Nominal Voltage	230VAC			
Acceptable Voltage Range	170-280VAC(For personal Computer);90-280VAC(For Home Appliances)			
Frequency	50/60 Hz (Auto sensing)			
OUTPUT				
Nominal Voltage	220/230VAC±5%			
Rated Power	1500VA/1500W		3500VA/3500W	
Battery Mode Power	1200VA/1200W		3000VA/3000W	
Surge Power	3000VA		7000VA	
Frequency	50/60 Hz			
Waveform	Pure Sine wave			
Transfer Time	10ms(For personal Computer);20ms(For Home Appliances)			
Peak Efficiency (PV to INV)	96%			
Peak Efficiency (Battery to INV)	93%			
Overload Protection	5s@ > =140% load; 10s@100%~140% load			
Crest Factor	3:1			
Admissible Power Factor	0.6~1 (inductive or capacitive)			
BATTERY				
Battery Voltage	12Vdc		24Vdc	
Floating Charge Voltage	13.5Vdc		27Vdc	
OverCharge Protection	16.5Vdc		32Vdc	
Charging Method	CC/CV			
SOLAR CHARGER & AC CHARGER				
Solar Charger TYPE	MPPT			
Max.PV Array Power	2000W		4000W	
Max. PV Array Open Circuit Voltage	500VDC			
PV Array MPPT Voltage Range	30VDC~500VDC			
Max. Solar Input Current	15A			
Max. Solar Charge Current	100A		100A	
Max. AC Charge Current	60A		60A	
Max. Charge Current(AC+PV)	100A		100A	
PHYSICAL				
Dimensions, D x W x H(mm)	330*278*98			
Package Dimensions, D x W x H(mm)	400*365*174			
Net Weight (Kgs)	3.8		3.95	
Communication Interface	RJ45 For WiFi			
ENVIRONMENT				
Operating Temperature Range	-10°C to 55°C			
Storage temperature	-15°C~ 60°C			
Humidity	5% to 95% Relative Humidity (Non-condensing)			
Ingress Protection	IP21			

Product specifications are subject to change without further notice.

OFF GRID HYBRID INVERTER SP6200-48L



RS232 / RS485



MPPT
60/100/120A



PV 60-500Vdc



No Battery Mode



Lithium Battery
Activation



High Efficiency



Pure sine wave



WiFi



Product Features

- Lithium battery activation function by PV or Utility
- Compatible work with lifepo4 battery via Rs485
- Pure sine wave
- Power factor 1.0
- PV input Voltage 60Vdc-500Vdc
- Built-in MPPT 60A / 100A /120A
- Capable to work without battery
- Detachable dust cover for harsh environment
- WiFi remote monitoring optional
- Support multiple output priority: UTL, SOL, SBU, SUB
- EQ function to optimize battery performance and extend lifecycle

Technical Data

MODEL		SP6200-48L
Capacity	6.2KVA/6.2KW	
Parallel Capability	NO	
Lithium Battery activation	YES (By PV or Utility)	
Lithium Battery communication	YES(RS485)	
Built-in WIFI	Optional	
INPUT		
Nominal Voltage	230VAC	
Acceptable Voltage Range	170-280VAC(For personal Computer);90-280vac(For Home Appliances)	
Frequency	50/60 Hz(Auto sensing)	
OUTPUT		
Nominal Voltage	220/230VAC±5%	
Surge Power	12400VA	
Frequency	50/60Hz	
Waveform	Pure Sine wave	
Transfer Time	10ms(For personal Computer);20ms(For Home Appliances)	
Peak Efficiency(PV to INV)	96%	
Peak Efficiency(Battery to INV)	93%	
Overload Protection	5s@>=140% load; 10s@110%~140% load	
Crest Factor	3:1	
Admissible Power Factor	0.6~1 (inductive or capacitive)	
BATTERY		
Battery Voltage	48VDC	
Floating Charge Voltage	54VDC	
OverCharge Protection	63VDC	
Charging Method	CC / CV	
SOLAR CHARGER & AC CHARGER		
Solar Charger Type	MPPT	
Max.PV Array Power	6500W	
Max.PV Array Open Circuit Voltage	500VDC	
PV Array MPPT Voltage Range	60VDC~500VDC	
Max.Solar Input Current	27A	
Max.Solar Charge Current	120A	
Max.AC Charge Current	80A	
Max.Charge Current (PV+AC)	120A	
PHYSICAL		
Dimensions,D x W x H(mm)	438*295*105	
Package Dimensions,D x W x H(mm)	560*375*185	
Net Weight(Kg)	9	
Communication Interface	RS232+RS485	
ENVIRONMENT		
Operating Temperature Range	(-10℃ to 55℃)	
Storage Temperature	(-15℃ ~ 60℃)	
Humidity	5% to 95% Relative Humidity (Non-condensing)	
Ingress Protection	IP21	

Product specifications are subject to change without further notice.

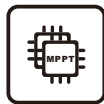
OFF GRID HYBRID INVERTER SP11000T-48PL



Dual Outputs



Lithium Battery
Activation



Dual MPPT



Parallel 6 units



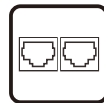
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PV 60-500Vdc



Pure sine wave



RS232 RS485



Product Features

- Dual AC output
- Built-in 2 MPPT
- Parallel max up to 6 units
- Lithium battery activation function by PV or Utility
- Compatible work with LiFePO4 battery via RS485
- Pure Sine Wave
- Power factor 1.0
- PV Input 500Vdc Max
- Built-in MPPT 140A/160A
- Capable to work without battery
- Detachable dust cover for harsh environment
- Wifi remote monitoring optional
- Support multiple output priority: SUB, SBU, SUF
- EQ function to optimize battery performance and extend lifecycle

Technical Data

MODEL		SP11000T-48PL
CAPACITY		11KVA/11KW
Maximum PV Input Power		11KW
Twin AC Output Function		YES
Maximum Main Output Power		11KVA/11KW
Maximum Second Output Power		5.5KVA/5.5KW
Maximum Total Output Power		11KVA/11KW
Parallel Capability		YES, 6units
Lithium Battery Communication		YES(RS485)
Lithium Battery Activation		YES(By PV or Utility)
Built-in WIFI		Optional
INPUT		
Nominal Voltage		230VAC
Acceptable Voltage Range		170-280VAC(For personal Computer);90-280VAC(For Home Appliances)
Frequency		50/60 Hz (Auto sensing)
OUTPUT		
Nominal Voltage		220/230/240VAC
Surge Power		22000VA
Frequency		50/60 Hz
Waveform		Pure Sine wave
Transfer Time		10ms(For personal Computer);20ms(For Home Appliances)
Peak Efficiency (PV to INV)		96%
Peak Efficiency (Battery to INV)		93%
Overload Protection		5s@ > =140% load; 10s@110%~140% load
Crest Factor		3:1
Admissible Power Factor		0.6~1 (inductive or capacitive)
BATTERY		
Battery Voltage		48VDC
Maximum Discharge Current		220A
Floating Charge Voltage		54VDC
OverCharge Protection		63VDC
Charging Method		CC/CV
Solar Charger & AC Charger		
Solar Charger TYPE		MPPT
Max.PV Array Power		5500W*2
Max. PV Array Open Circuit Voltage		500VDC
PV Array MPPT Voltage Range		60VDC~500VDC
Max. Solar Input Current		18A*2
Max. Solar Charge Current		160A
Max. AC Charge Current		120A
Max. Charge Current		160A
PHYSICAL		
Dimensions, D x W x H(mm)		540*415*122
Net Weight (Kgs)		15.5
Communication Interface		RS232/RS485/Dry-contact
LCD		YES
ENVIRONMENT		
Operating Temperature Range		-10°C to 55°C
Storage temperature		-15°C~ 60°C
Humidity		5% to 95% Relative Humidity (Non-condensing)
Ingress Protection		IP21

Product specifications are subject to change without further notice.

OFF GRID HYBRID INVERTER SP11000-48L



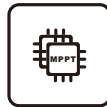
Pure sine wave



PV 60-500Vdc



WIFI Optional



Dual MPPT



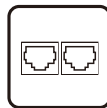
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Anti-shock
design terminal



BMS
Lithium Battery
Activation



RS232 RS485



Features

- Built-in 2 MPPT
- Lithium battery activation function by PV or Utility
- Compatible work with LiFePO4 battery via RS485
- Pure Sine Wave
- Power factor 1.0
- PV Input 500Vdc Max
- Built-in MPPT 140A/160A
- Capable to work without battery
- Detachable dust cover for harsh environment
- Wifi remote monitoring optional
- Support multiple output priority: SUB,SBU,SUF
- EQ function to optimize battery performance and extend lifecycle

Technical Data

MODEL	
Capacity	11KVA/11KW
Maximum PV Input Power	11KW
Parallel Capability	NO
Lithium Battery Activation	YES (By PV or Utility)
Lithium Battery Communication	YES(RS485)
Built-in WIFI	Optional
INPUT	
Nominal Voltage	230VAC
Acceptable Voltage Range	170-280VAC(For personal Computer);90-280VAC(For Home Appliances)
Frequency	50/60 Hz (Auto sensing)
OUTPUT	
Nominal Voltage	220/230/240VAC
Surge Power	22000VA
Frequency	50/60 Hz
Waveform	Pure Sine wave
Transfer Time	10ms(For personal Computer);20ms(For Home Appliances)
Peak Efficiency	94%
Overload Protection	5s@ > =140% load; 10s@110%~140% load
Admissible Power Factor	0.6~1 (inductive or capacitive)
BATTERY	
Battery Voltage	48VDC
Maximum Discharge Current	220A
Floating Charge Voltage	54VDC
OverCharge Protection	63VDC
Charging Method	CC/CV
SOLAR CHARGER & AC CHARGER	
Solar Charger TYPE	MPPT
Max.PV Array Power	5500W*2
Max. PV Array Open Circuit Voltage	500VDC
PV Array MPPT Voltage Range	60VDC~500VDC
Max. Solar Input Current	18A*2
Max. Solar Charge Current	160A
Max. AC Charge Current	120A
Max. Charge Current	160A
PHYSICAL	
Dimensions, D x W x H(mm)	540*403*122
Net Weight (Kgs)	14.8
Communication Interface	RS232/RS485/DRY CONTACT
LCD	YES
ENVIRONMENT	
Operating Temperature Range	-10°C to 55°C
Storage temperature	-15°C~ 60°C
Humidity	5% to 95% Relative Humidity (Non-condensing)
Ingress Protection	IP21

Product specifications are subject to change without further notice.