



### **12kw Inverter**

This 12kw Inverter is an off grid solar inverter, it is suitable for off grid home system. It is pure low frequency inverter, suitable for various loads. It is 12kw hybrid solar inverter with internal mppt solar charger, can connect solar panel directly. It has complete protection function, input over/low voltage, overload, short circuit, low battery voltage, over temperature etc.

### **12kw Inverter/low frequency hybrid 12kw Inverter**



### **12kw inverter with 100A MPPT solar charge controller**

#### **1.Product Introduction**

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temperature etc.

## 2.Product Parameter (Specification)

Model	GTYT8K	GTYT10K	GTYT12K	GTYT15K
Rate Power	8KW	10KW	12KW	15KW
Instant power	3 times			
DC Input	Batt. Voltage	96V		
	Batt. Number	12V: 8pcs		
	Battery type	All kinds of battery		
AC Input (optional)	Phase	Single		
	Frequency	50/60Hz $\pm$ 10%		
	Input voltage	220VAC (175-255V) (L+N+G)		
	Output voltage	220VAC directly		
Invert output	Output voltage	220VAC (L+N+G) $\pm$ 1%		
	Frequency	50/60Hz $\pm$ 0.1%		
	Switch time	T $\leq$ 4ms		
	THD	$\leq$ 3% (Linear load)		
	Dynamic response	5%(0%~100% load)		
	Crest factor (CF)	3: 1		
	Invert efficiency	97%		
MPPT controller	Rated voltage	96VDC		
	Charge current	100A		
	Max power	10KW		
	Max input voltage	230VDC		
	MPPT range	140-200VDC		
	Recommend pv mppt voltage	170V $\pm$ 10V		
	Protection	Over charge, over discharge, overload, low voltage, short circuit, reverse connection		
Display	LCD Touch Screen+ LED			
Alarm	Buzzing and LCD screen flicker			
Protection function	Ac overvoltage, under voltage, DC overvoltage, under voltage, Overload, Output short circuit			
Overload capacity	120% 30s, 125% 10s, 150% 0s			
Communication interface	RS232/SNMP/Wifi (extra optional function)			
Protection class	IP21			

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Surge handling capability	10/700US,5KVA;8/20US,20KA			
Noise dB	≤45db			
Cooling mode	Forced ventilation			
Ambient Temperature	Temperature 0-45℃ , relative humidity10%-90%, elevation<1000m			
Size (L*W*H)	400*580*720			
Weight(kg)	79	87.5	94	118

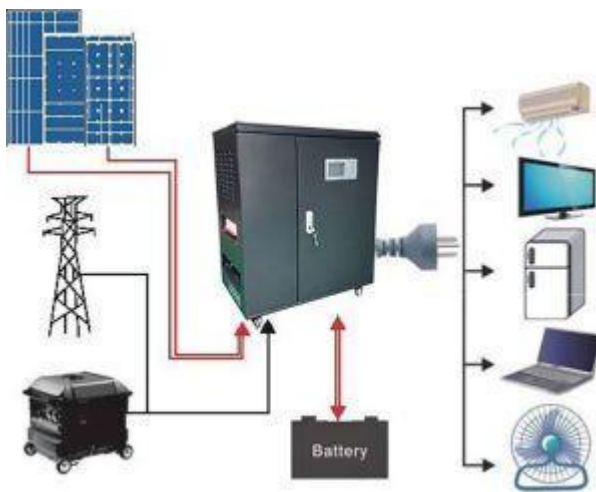
### 3.Product Feature and Application

Main Features:

- 12KW Inverter with 100A MPPT solar charger
- Hybrid inverter 96V DC to AC 110V/120V/220V/230V/240V , 50/60Hz
- With wide input range;
- Pure sine wave output;
- Low frequency inverter with high efficiency transformer;
- Suitable for various types of applications;
- Solar inverter or UPS working mode---user selectable
- Compatible to mains voltage or generator power;
- Smart battery charger design to optimize battery performance;
- Communication interface: RS232/USB/SNMP/Wifi;-option
- Perfect protection function: input over/low voltage, overload, short circuit, low battery voltage, over temperature etc.
- Stable performance, safe and reliable, long service life.

Application:

It is 12kw off grid solar system inverter for off grid home solar system.



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#### 4.Product Details

This 12kw hybrid solar inverter can connect AC grid as bypass backup.



1.LCDtouch screen	4. AC DCPV breaker
2.PV LED indicates	5.Connection terminals
3.ON/OFF button	

#### 5.Product Qualification

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[www.srsolarpower.com](http://www.srsolarpower.com)

Rich production experience & strict quality control. Before leaving the factory, each 12kw inverter has undergone strict inspections.



## 6. Deliver, Shipping And Serving

Low frequency solar inverter standard export packaging, suitable for various transportation channels. For the hot-selling series of 12kw inverter off grid, we have a large inventory and can supply them to you immediately.

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## 7.FAQ

Q: What's the delivery time of this 12kw solar inverter?

A: some in stock; 10 to 25 days for bulk order.

Q: Is it a off grid inverter?

A: yes, off-grid solar inverter 12kw.

Q: Is it a hybrid inverter?

A: yes, it is 12kw single phase hybrid solar inverter.

Q: What is the warranty of this solar inverter 12kw off grid?

A: One year warranty.

Q: Is this inverter with mppt solar charger?

A: yes, it is 12kw solar controller inverter with 100a MPPT

Q: How to solve the technical problem of 12kw inverter?

A: 24 hours after-service consultancy just for you and to make your problem to solve easily.

Q: What's the payment term of this 12kw hybrid solar inverter?

A: T/T, Western Union, Paypal, L/C.

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