

# PHOTOSCIWNCE

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## Pure Sine Wave Inverter **GLIL600-XX**

### ◆DESCRIPTION:

Inverter invert DC power which from battery bank to AC power. Low frequency inverter is mainly applied in many large systems. The inverter is an important part of solar system.



### ◆FEATURES:

- Pure sine wave output;
- CPU control technology & SCM control;
- Strong ability of impact resistance;
- Wide input voltage range: 90-280V, four step AVR (three step boost, one step reduction voltage);
- Protection against overload, short-circuit, overvoltage, under-voltage and over-temperature, etc.;
- Anti reverse connection protection and high-low voltage protection(option);
- Special overload protection: when it is overload, it will lock the unit automatically, when it restores, it will restart the unit automatically again;
- Strong inverter ability, it can change frequency immediately and it is able to drive the inductive load such as air conditioner, refrigerator, motor, etc.;
- Powerful charge current, 500 W up to 15 A, 1 KW-4 KW up to 25 A;
- LED or LCD display (option);
- Meet the need of different power supply;
- Use MOSFET and IGBT;
- Intelligent battery management; provide the battery overcharge, discharge protection extend battery life.

### ◆APPLICATION:

Apply to television, refrigerator, battery furnace, fan, microwave oven, air conditioning and other household devices.

◆ **SPECIFICATION:**

Rated capacity(W)		600W	
Input	Commercial Power range (VAC)	100/110/120/127/220/230 (+25%, -35%)	
	Frequency (Hz)	60/50±10%	
Output	AVR voltage range (VAC)	100/110/120/127/220/230±10% (Auto-sensing)	
	Transfer time	Typical: 5ms(Including detection time)	
Battery	DC Voltage	12/24V DC	
Output		Waveform	Pure sine wave
		Frequency(Hz)	Commercial power supply: shared frequency with the commercial inversion state: 60/50±0.5
Protection	Overload	IPS automatically shut down if overload exceeds 120% of normal value for 10 seconds, IPS automatically resumes work if overload comes to rated load.	
Battery		Type	Sealed, maintenance-free lead acid
		Recharge current	15A(Maximum)
		Battery protection	Automatic self-test, discharge protection, over-charge protection, smart management system.
Size	External size(mm) DxWxH	375x130x190	
	Packing size(mm) DxWxH	495x490x320 (2 piece)	
Net weight(kg)		10	
Packing weight(kg)		22.6	

Above technical data only for reference, if any modified, please see the real object as standard.

◆ **INSTALLATION DIAGRAM:**

