- **Information**

  1. This inverter power supply adopts SPWM technology controlled by MCU micro-processing, pure sine wave output, and the waveform is indeed pure. The unique dynamic current loop control technology ensures reliable operation of the inverter.

  2. Load adaptability, including inductive load, capacitive load, resistive load, Hybrid load. High performance at over-load capacity and impact resistance.

  3. It has perfect protection functions such as input over voltage, under-voltage, overload, overheat, and output short circuit etc.

  4. The sine wave inverter adopts LCD liquid crystal display mode, and the state is clear at a glance.

  5. Stable performance, safe and reliable, long service life.

- **Character**

  1. Efficiency: 85%-92%

  2. The service life can reach a decade

  3. Working noise is low and the efficiency is high

  4. Strong ability of resist concussion

  5. Good load ability: Inductive , capacitive load and Hybrid load

  6. Protection: Battery Low Alarm/Battery Shut down/Over Voltage/Over Temp/ Output Short/Input polarity reverse/Overload

- **Application**

  1. Solar electric energy generation;

  2. Wind power generation;

  3. In-car or on-boat devices series;

  4. Communication equipment;

  5. Industrial control system;

6. Small power supply system.

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Regard as the inverter we can customize different specification according to your request

Input: 12Vdc/24Vdc/48Vdc/60Vdc /72vdc

Output: 110Vac/220Vac 60/50Hz

Rate Power :300W/600W /1000W/1500W/2000W/3000W/4000W/5000W

- Specification

Model YK-***L-12 Series	600L-12	1000L-12	1500L-12	2000L-12	3000L-12	4000L-12	5000L-12
Display	LCD Display						
DC Input							
Rate voltage	12Vdc						
Range voltage	10-15Vdc						
Output							
Output Voltage	110Vac or 220vac±5%						
Output Frequency	50Hz or 60Hz±0.1%						
Wave	Pure Sine wave						
Output Power	600W	1000W	1500W	2000W	3000W	4000W	5000W
Peak Power	1200W	2000W	3000W	4000W	6000W	8000W	10000W

Conversion Efficiency	≥90%						
Protect function							
Function-1	Input reverse connection protection: Fuse						
Function-2	Input low voltage protection : 10Vdc±0.3V						
Function-3	Recovery voltage : 12V(13.2V±0.3)						
Function-4	Input high voltage protection: 15Vdc±0.3V						
Function-5	Over temperature protect: 80°±5°						
No-load current	0.3A	0.6A	0.7A	0.7A	1.0A	1.0A	1.0A
Over load protection	660±50W	1100±50W	1650±50W	2200±50W	3300±50W	4000±50W	5000±50W
Total Harmonic Distortion	≤3%						
Working temperature	-5～+50℃						
Storage temperature	-20～+70℃						
Cooling method	Intelligent temperature controlled air cooling						
Mechanical properties							
Input terminal	Terminal form						
Output socket	According request						

Housing material	Aluminum						
Size(mm)	200*173*76	310*173*76	340*173*76	360*173*76	400*242*88	400*242*88	420*242*88
Weight (kg)	2.1	3.2	3.5	4.5	8.5	9.5	10.5