

- **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.

- **Customize Range**

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**

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

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

<b>Housing material</b>	Aluminum						
<b>Size(mm)</b>	200*173*7 6	310*173*7 6	340*173*7 6	360*173*7 6	400*242*8 8	400*242*8 8	420*242*8 8
<b>Weight (kg)</b>	2.1	3.2	3.5	4.5	8.5	9.5	10.5