

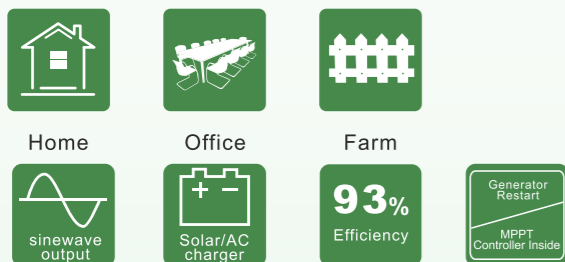
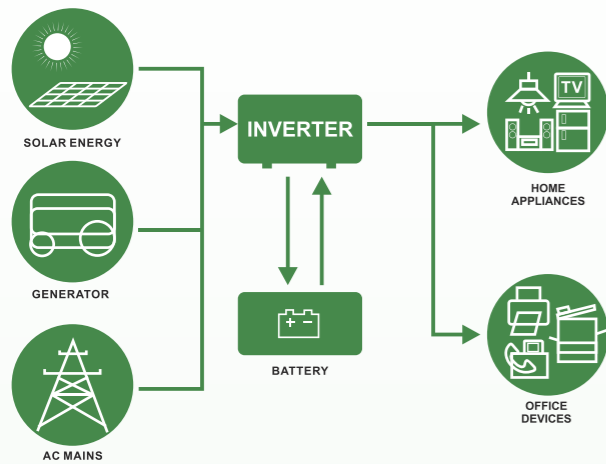
# UKMPC Series 3~5KVA



## Features:

- ◆ MPC Series AC/Solar charging Off grid Hybrid Inverter.
- ◆ Built-in MPPT solar charge controller.
- ◆ Selectable input voltage range for home appliances and personal computers.
- ◆ Configurable AC/Solar input priority via LCD setting.
- ◆ Compatible to mains voltage or generator power.
- ◆ Auto restart while AC is recovering.
- ◆ Smart battery charger design for optimized battery performance.
- ◆ Over load, over temperature, short circuit protection.

## Application:



## Specifications

Pure Sine Wave Hybrid charger Inverter

Model	MPC3K-24	MPC5K-48
<b>Power Rating</b>	3KVA/2400W	5KVA/4200W
<b>AC Input</b>	Input Voltage Waveform Nominal input Voltage Low Line Disconnect Low Line Re-connect High Line Disconnect High Line Re-connect Max AC input Voltage Output Short Circuit Protection Frequency	Sinusoidal (utility or generator) 230VAC 170Vac±4%(Normal) or 90Vac±4%(Wide&Generator) 180Vac±4%(Normal) or 100Vac±4%(Wide&Generator) 280Vac±4%(Normal) or 280Vac±4%(Wide&Generator) 275Vac±4%(Normal) or 275Vac±4%(Wide&Generator) 30A:300VAC 30A Circuit Breaker 50Hz, 60Hz
<b>AC Output</b>	Output Voltage Waveform Power Factor Bypass Breaker Size Voltage Regulation (Inverter Mode) Nominal Output Frequency (Hz) Capable of starting electric motor Transfer Time	Sine wave 0.8 30A ± 10% RMS 50Hz or 60Hz (Auto detection) 1.5HP 15ms (MAX)
<b>Solar Charger</b>	Charger mode Maximun PV Array Power Rated Charge Current PV High Voltage disconnect Efficiency	MPPT 960W 40A 75VDC±0.6VDC ≥98%
<b>AC Charger</b>	Nominal Charger Current Over charge Protection	20A @170Vac~280Vac; 10A @90Vac~170Vac 30VDC±0.6VDC
<b>Battery Voltage</b>	Nominal DC input Voltage Low Battery Alarm Low DC input shut-down High DC input Alarm & Fault	24VDC 21VDC±0.6VDC 20VDC±0.6VDC 29VDC±0.6VDC
<b>Efficiency</b>	Efficiency (Battery Mode) Efficiency (Line Mode)	>90% >96%
<b>System Parameter</b>	Over-Load Protection Output Short Circuit Protection Surge Rating Protections Indicators	110%<load<150%,beeps 0.5s every 1s,and Fault after 10s offthe output, load≥150%,beeps 0.5s every 1s,and Fault after 5s Current limit (Fault after 4 cycles max) 1:2(VA) Low battery, over charging, over load, over temp LCD Display
<b>General Specifications</b>	Operating Temperature Range Storage Temperature Operation humidity cooling Dimension(L*W*H) Net Weight(kg)	0°C to 40°C -15°C~60°C 5% to 95%(non-condensing) Forced air,variable speed fan 330*270*90mm 5.5kg

◆ Product specifications are subject to change without further notice.



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