

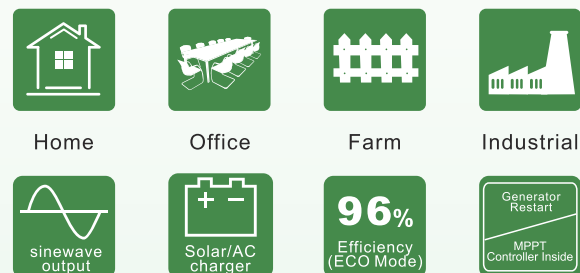
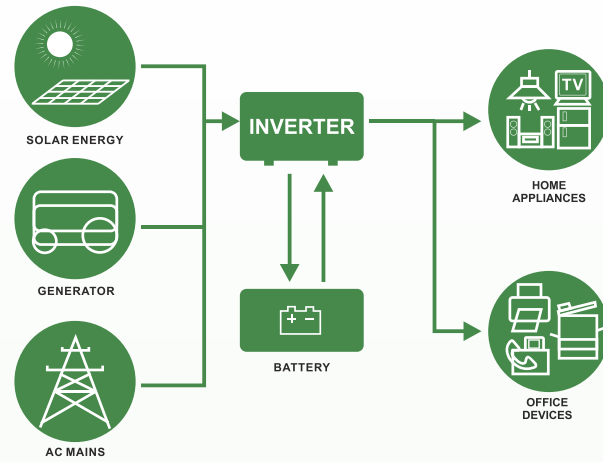
# UKPT Series 1~12KW



## Features:

- ◆ PT Series AC/Solar charging Off grid Hybrid Inverter.
- ◆ LED/LCD display, Enhanced functions setting via LCD, Man-machine intelligent design.
- ◆ Built-in 40A/60A optional MPPT solar charger controller.
- ◆ LCD shows the solar capacity.
- ◆ 5 stages adjustable AC charging current. AC charging also can be closed.
- ◆ AC/DC priority modes can be set.
- ◆ Generator restart signal(Dry contact).
- ◆ 3 times peak power. Strong loading capacity.
- ◆ Overload, output short-circuit protection.

## Application:



## Specifications

Pure Sine Wave Hybrid charger Inverter

Model	PT1000	PT2000	PT3000	PT4000	PT5000	PT6000	PT8000	PT10KW	PT12KW
<b>Power Rating</b>	1000W	2000W	3000W	4000W	5000W	6000W	8000W	10KW	12KW
<b>AC Input</b>	Sinusoidal(utility or generator)								
Input Voltage Waveform	Sinusoidal(utility or generator)								
Nominal input Voltage	120/230VAC					230VAC			
Low Line Disconnect	85Vac±4%(Normal) or 80Vac±4%(Wide) for 120Vac					184Vac±4%(Normal) or 135Vac±4%(Wide) for 230Vac			
Low Line Re-connect	95Vac±4%(Normal) or 85Vac±4%(Wide) for 120Vac					194Vac±4%(Normal) or 145Vac±4%(Wide) for 230Vac			
High Line Disconnect	136Vac±4%(Normal) or 145Vac±4%(Wide) for 120Vac					263Vac±4%(Normal) or 263Vac±4%(Wide) for 230Vac			
Max AC input Voltage	120Vac for Max150Vac, 230Vac for Max270Vac					230Vac for Max270Vac			
Frequency	50Hz:41-54Hz, 60Hz:51-64Hz								
<b>AC Charger</b>	Nominal Charge Current 20A/35A/50A/70A/90A(5 stages adjustable charging current)								
Over Charge Protection	Bat.V≥15.5VDC for 12V battery ; Bat.V≥31.0VDC for 24V battery, Bat.V≥62.0VDC for 48V battery ; beeps 0.5s every 1s & fault after 60s								
<b>Solar Charger</b>	Rated Charge Current 40A 60A 60A 60A 60A 60A 60A 60A 60A 60A								
PV Input Voltage range	15VDC-40VDC for 12VDC, 30VDC-55VDC for 24VDC, 60-110VDC for 48V								
Max.PV open circuit array voltage	12V for 40VDC, 24V for 55VDC, 48V for 110VDC								
Charger mode	MPPT								
PV Low Voltage Re-connect	PV≥Bat.V=3V								
PV Low Voltage Disconnect	PV≤Bat.V								
Efficiency	≥97%								
<b>Charger</b>	Nominal Charger Current 20A/35A/50A/70A/90A(According to the inverter model), 5 stages adjustable charging current								
Over charge Protection	Bat.V≥15.5VDC/31VDC/62VDC,beeps 0.5s every 1s & fault after 60s								
<b>Efficiency</b>	Efficiency (Battery Mode) ≥87%								
	Efficiency (Line Mode) >98%								
<b>Battery Voltage</b>	Nominal DC Input Voltage 12/24/48VDC			24/48VDC			48VDC		
Low Battery Alarm	10.5VDC±0.3VDC for 12VDC, 21VDC±0.6VDC for 24VDC, 42VDC±1.2VDC for 48VDC								
Low DC input shut-down	10VDC±0.3VDC for 12VDC, 20VDC±0.6VDC for 24VDC, 40VDC±1.2VDC for 48VDC								
High DC input Alarm & Fault	16VDC±0.3VDC for 12VDC, 32VDC±0.6VDC for 24VDC, 64VDC±1.2VDC for 48VDC								
<b>Transfer Time</b>	AC to DC 20ms(max)								
	DC to AC 15ms(max)								
<b>System Parameter</b>	Over-Load Protection 110%<load<150%, beeps 0.5s every 1s, and Fault after 60s off the output, load>150%, beeps 0.5s every 1s, and Fault after 20s								
	Output Short Circuit Protection Current limit(Fault after 10s)								
	Surge Rating(10s) 1:3(VA)								
	Power Saver Load≤25W(Enabled on "P/S auto"Setting of Remote control )								
	Protections Low battery,over charging,over load,over temp								
	Indicators LED+LCD Display								
<b>General Specifications</b>	Operating Temperature Range 0°C to 40°C								
	Storage Temperature -15°C~60°C								
	Operation humidity 5% to 95%(non-condensing)								
	Audible Noise 60dB max								
	cooling Forced air,variable speed fan								
Dimension(L*W*H)	480*336*190mm			530*400*190mm			627*416*204mm		
Net Weight(kg)	19.5kg	23.5kg	28.0kg	30.0kg	35.5kg	39.0kg	52.5kg	58.5kg	66.5kg

◆ Product specifications are subject to change without further notice.



WWW.UKSOLARPOWER.COM

