

# HPT2000 Series

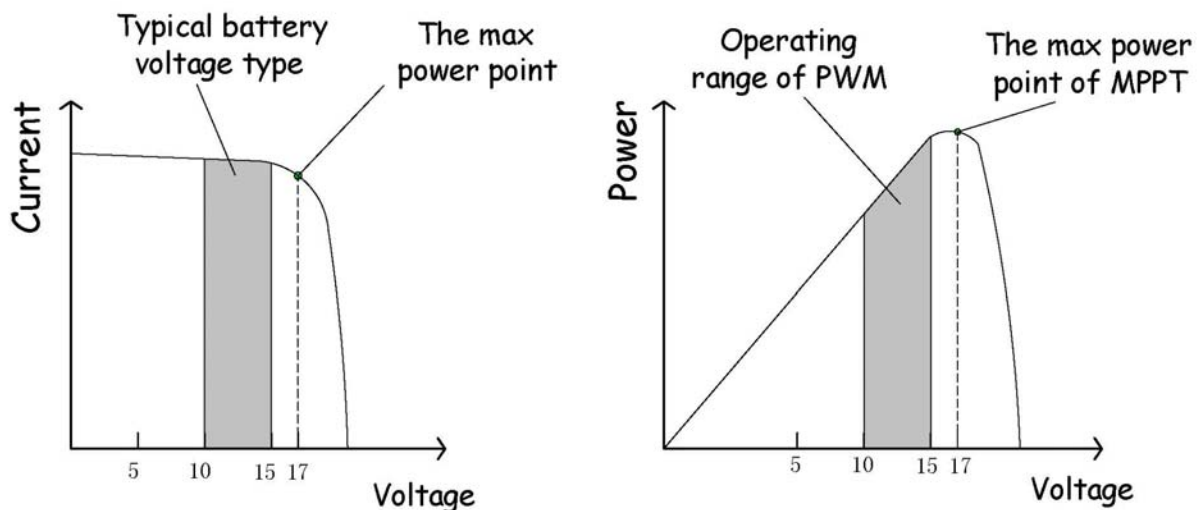
Intelligent MPPT Hybrid Inverter



## Features

- Professional solution for Off-Grid solar system
- Auto switch 5 FUN:  
DC to AC , AC bypass, AC charger, solar charger and UPS
- MPPT Solar Charger. Max solar panel power:3120W
- DIP Switches : Low Battery, AC Input Range , Power Saver, O/P Frequency, Solar/Utility AC Priority
- Efficiency up 3~5% than SPT, Idle consumption down 30~50%
- Output AVR: stabilized AC voltage RMS( optional)
- Start Auto restart while AC is recovering (optional)
- Dry contact: alarm signal to start AC backup( optional)
- RTS: Measure battery temp. to make temp. compensation (optional)
- Remote control RJ45/RS232 :PTM-9 and PTM-12(optional)
- Pure sine wave output, for various load
- Input : Utility AC or Generator etc
- Solar power mode and Grid power mode, can be free choose
- Advanced microprocessor control design
- UVP/OVP/OSP/OLP/OTP protection

## Solar charger: MPPT VS PWM



Remark : \*2 FOR 24VDC, \*4 FOR 48VDC

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Item	Models	HPT2000-1246	HPT2000-1485	HPT2000-1486	HPT2000-2246	HPT2000-2485	HPT2000-2486
AC OUTPUT	Output Power	2000W					
	Surge Power	6000W(≤2S)					
	Output Frequency	50/60Hz ±0.5%					
	Output Waveform	纯正弦 ( THD<3% )					
	P-F Allowed	COSθ-90°~COSθ+90°					
	Efficiency	86%	86%	88%	86%	87%	90%
DC INPUT	Input Voltage	24VDC	48VDC	48VDC	24VDC	48VDC	48VDC
	Voltage Range	20.0~31.0VDC,*2 for 48VDC/21.0~32.0VDC,*2 for 48VDC					
	Fault Indication	LED Red and Buzzer Alarm					
	Remote Control	RS-232/RJ11(Optional)					
AC Charger	AC Range	184-253VAC (AVR:176-276VAC) /154-253VAC (AVR:150-276VAC) 100-135VAC (AVR:92-144VAC) /90-135VAC (AVR:78-144VAC)					
	AVR Output AC	120VAC±10%			230VAC±10%		
	Output Voltage	Fast(14.0~15.1V), Float(13.3-13.8V).(*2 for 24vdc,*4 for 48vdc)					
	Over charge Protection	15.7V for 12V(*2 for 24vdc,*4 for 48vdc)					
	Charge Current	30A					
Solar charger PWM	solar panel Max	1440W	1920W	2440W	1440W	1920W	2440W
	Rated Voltage	24VDC	48VDC	48VDC	48VDC	48VDC	48VDC
	Rated charge current	60A	40A	50A	30A	40A	50A
	DC Load Current	15A (MAX)					
	Input PV Voltage	16-55VDC/60~96VDC					
MPPT Solar Charger (optional)	solar panel Max	780W	1170W	1560W	1560W	2340W	3120W
	Rated Voltage	24VDC	24VDC	24VDC	48VDC	48VDC	48VDC
	Rated charge current	30A	45A	60A	30A	45A	60A
	DC Load Current	15A (MAX)					
	Input PV Voltage	150VDC(MAX)					
	Temp. compensation	-13.2mv/°C(*2 for 24vdc,*4 for 48vdc)					
Bypass	Transfer Time	<8 ms					
	Input Volt. waveform	Utility AC or Generator (Sine wave)					
	Max bypass current	60A/30A					
Others	Working Humidity	20-90%RH					
	Safety and EMI	UL458			LVD (EN60950)		
	Working temp.	-20~50℃					
	Storage Temp	-30~70℃					
	Cooling	Temperature controlled cooling fan					
	Size (mm)	388*415*200					
	Weight (kg)	23/28					