

HPT3000 Series

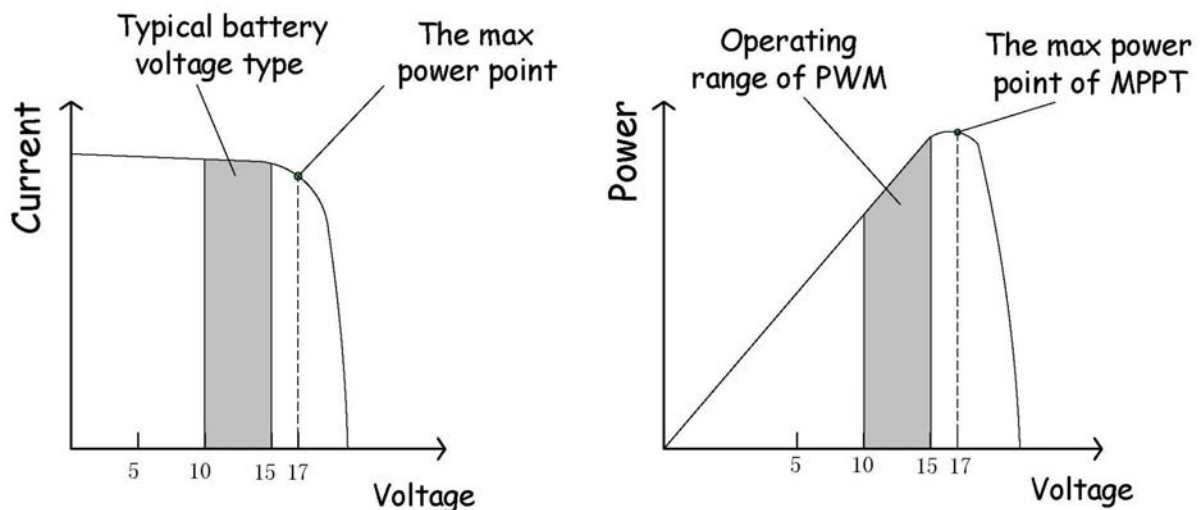
Intelligent MPPT Hybrid Inverter



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	HPT3000-1245	HPT3000-1486	HPT3000-2245	HPT3000-2486	
AC OUT-PUT	Output Power	3000W				
	Surge Power	9000W(≤20S)				
	Output Frequency	50/60Hz ±0.5%				
	Output Waveform	True sine wave (THD<3%)				
	P·F Allowed	COSθ-90°~COSθ+90°				
	Efficiency		86%	88%	87%	90%
DC IN-PUT	Input Voltage	24VDC	48VDC	24VDC	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	2440W	2880W	2440W	2880W	
	Rated Voltage	48VDC	48VDC	48VDC	48VDC	
	Rated charge current	50A	60A	50A	60A	
	DC Load Current	15A (MAX)				
	Input PV Voltage	16-55VDC/60~96VDC				
MPPT Solar Charger (optional)	solar panel Max	1170W	1560W	2340W	3120W	
	Rated Voltage	24VDC	24VDC	48VDC	48VDC	
	Rated charge current	45A	60A	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°C				
	Storage Temp	-30~70°C				
	Cooling	Temperature controlled cooling fan				
	Size (mm)	388*415*200				
	Weight (kg)	27/32				