

HPT5000 Series

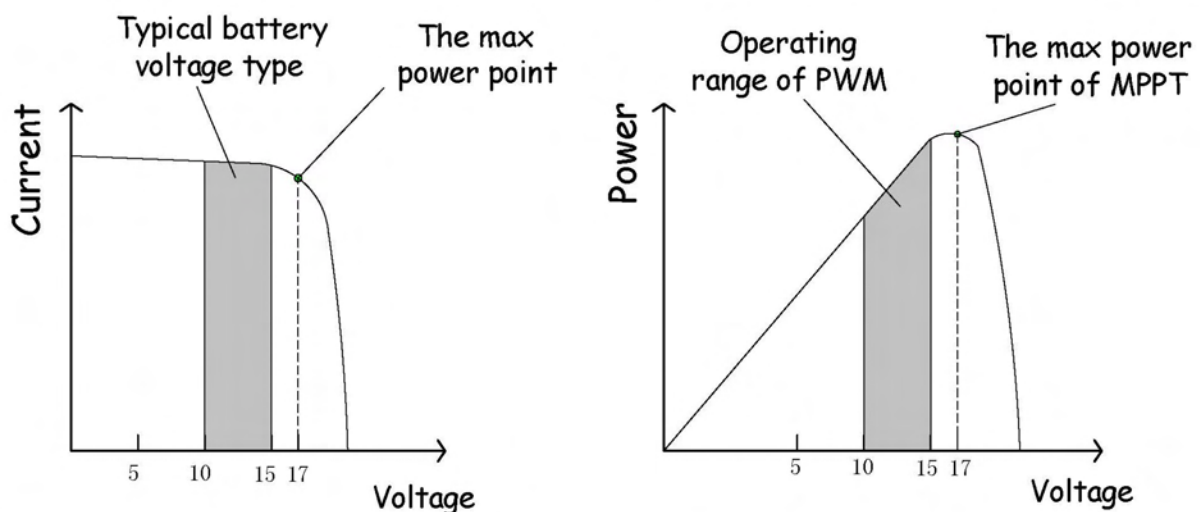
Intelligent MPPT Hybrid Inverter



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	HPT5000-1486	HPT5000-1489	HPT5000-14812	HPT5000-2486	HPT5000-24869	HPT5000-24812
AC OUT-PUT	Output Power	5000W					
	Surge Power	15000W(≤20S)					
	Output Frequency	50/60Hz ±0.5%					
	Output Waveform	True sine wave (THD<3%)					
	P·F Allowed	COSθ-90°~COSθ+90°					
	Efficiency	90%					
DC IN-PUT	Input Voltage	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	2880W		4800W		5760W	
	Rated Voltage	48VDC					
	Rated charge current	60A		100A		120A	
	DC Load Current	15A (MAX)					
	Input PV Voltage	16-55VDC/60~96VDC					
MPPT Solar Charger (optional)	solar panel Max	3120W		4680W		6240W	
	Rated Voltage	48VDC					
	Rated charge current	60A		90A		120A	
	DC Load Current	15A (MAX)					
	Input PV Voltage	150VDC(MAX)					
	Temp. compensation	-13.2mv/℃(*2 for 24vdc,*4 for 48vdc)					
Bypass	Transfer Time	<8 ms					
	Input Vot. waveform	Utility AC or Generator (Sine wave)					
	Max bypass current	80A/40A					
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)	488*415*200					
	Weight (kg)	53/58					