

HPT10K Series

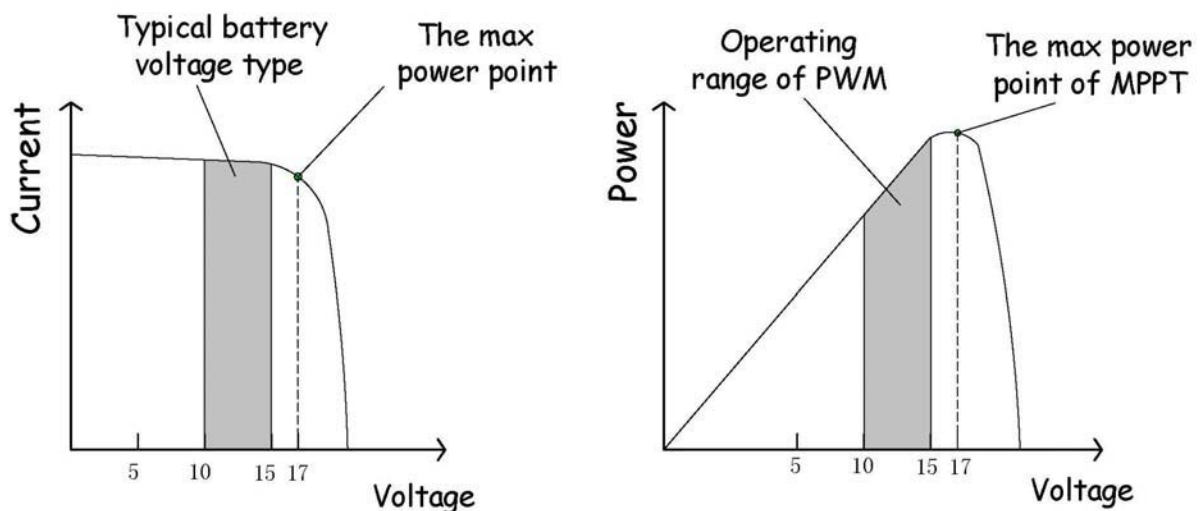
Intelligent MPPT Hybrid Inverter



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	HPT10K-24812		
AC OUTPUT	Output Power	10KW		
	Surge Power	30KW(≤20S)		
	Output Frequency	50/60Hz ±0.5%		
	Output Waveform	True sine wave (THD<3%)		
	P-F Allowed	COSθ-90°~COSθ+90°		
	Efficiency	90%		
DC INPUT	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)		
	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/°C(*2 for 24vdc,*4 for 48vdc)		
Bypass	Transfer Time	<8 ms		
	Input Vot. waveform	Utility AC or Generator (Sine wave)		
	Max bypass current	80A		
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)	588*415*200		
	Weight (kg)	71/76		