

SOLAR INVERTER



PT-HD6248
6.2KW 48V

- High frequency Hybrid inverter
- Output Power Factor 1.0
- Support Lithium battery's BMS communication , activation and wake up Function.
- 8.6KW 11KW optional parallel upto 9 pcs . Supporting parallel to be 3 phase .
- 4.2KW 6.2KW 8.6KW 11KW with feed-in grid , support Dual Output, Supporting working without battery , WIFI optional , Dry contact for generator self-start ;
- 2K/1.6KW 3KW single output, system working with battery;
- Real-time display load system's , Helpful for tracing the system's output .
- Pure sine wave output , strong load ability for different load system.
- Full protection with output short-circuit protection.
- User's settable in multi-functions

Hybrid Inverter E A E model			
Model		PT-HD6248	
Input	Input Standard		L+N+PE
	Input Voltage		220/230/240VAC
	Voltage Range		90-280VAC±3V (normal mode) 170-280VAC±3V (UPS mode)
	Frequency Range		50Hz/60Hz(Auto Adjust)
Output	Output Power	Battery Mode	6200W
		PV Mode	6500W
	Output Voltage		220/230/240VAC±5%
	Output Frequency		50/60Hz±0.1%
	Wave Form		Pure sine wave
	Transfer Time (Adjustable)		Computer IT systems select UPS mode at 10ms, Home appliance normal mode at 20ms
	Peak Power		12400VA
	Overload Ability		Battery Mode:11s@105%~150% Load;2s@150%~200% Load;400ms@>200% Load
Feed-in grid operation	Output Voltage		220/230/240VAC
	Feed-in grid voltage range		170-265VAC
	Feed-in grid frequency range		49-51±1Hz/59-61±1Hz
	Nominal Output Current		26.9A
	Power factor range		>0.99
	Maximum Transfer Range(DC/AC)		98%
Battery	Nominal Voltage		48VDC
	Constant charging voltage (adjustable)		56.4VDC
	Float charging voltage charging voltage (adjustable)		54VDC
Solar Charge Controller -MPPT	Controller Type		MPPT
	PV Maximum Power		6200W
	MPPT Voltage Range		60-500VDC
	Best Vmp Working Range		300~400VDC
	Maximum PV Input Voltage		500VDC
	Maximum PV Input Current		18A
	Maximum PV Charging Current		120A
	Maximum AC Charging Current		100A
Display	LCD		Display system's working mode / input / output / load / battery etc.
	RS232		Bd2400
Connect Port	Expansion Slot For Communication		RS 232, RS 485 , Lithim battery BMS ,WIFI ,Dry contact
	Parallel		NONE
Environment Parameter	Operating Ambient Temperature		-10~50℃
	Operating Ambient Humidity		20%~95%(Without Condensation)
	Storage Temperature		-15~60℃
	Altitude		Altitude≤1000m,Maximum 4000m ; The higher altitude , the less load . Reference IEC62040
	Noise		≤50db
Phisycal Parameter	L×W×H(mm)		433*330*138
Packing Parameter	L×W×H(mm)		512*420*207
	G.W.(KG)		10.86