

SOLAR INVERTER



PT-HD4224
4KW 24V

- 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-HD4224
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 4000W
		PV Mode 4500W
	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	8000VA
	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	17.4A
	Power factor range	>0.99
Battery	Maximum Transfer Range(DC/AC)	98%
	Nominal Voltage	24VDC
	Constant charging voltage (adjustable)	28.2VDC
	Float charging voltage charging voltage (adjustable)	27VDC
Solar Charge Controller -MPPT	Controller Type	MPPT
	PV Maximum Power	5000W
	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	Maximum Charging Current	120A
	LCD	Display system's working mode / input / output / load / battery etc.
Connect Port	RS232	Bd2400
	Expansion Slot For Communication	RS 232, RS 485 , Lithim battery BMS ,WIFI ,Dry contact
	Parallel	NONE
Environment Parameter	Operating Ambient Temperature	-10~50°C
	Operating Ambient Humidity	20%~95%(Without Condensation)
	Storage Temperature	-15~60°C
	Altitude	Altitude≤1000m,Maximum 4000m ; The higher altitude , the less load . Reference IEC62040
Phisycal Parameter	Noise	≤50db
	L×W×H(mm)	433*330*138
Packing Parameter	L×W×H(mm)	512*420*207
	G.W.(KG)	9.71