

SOLAR INVERTER



PT-HDP12048
12KW 48V

- High frequency Hybrid inverter (with grid feeding function).
- 27A PV input current support bigger PV input power.
- PV mode load ability more than DC mode.
- Maximum PV Efficiency with complementary for PV and mains.
- Output Power Factor 1.0
- Support Lithium battery's BMS communication, activation and wake up Function.
- 6.2KW 8.6KW 11KW optional parallel upto 9 pcs. Supporting parallel to be 3 phase.
- Dual Output, Supporting working without battery, WIFI optional, Dry contact for generator self-start.
- 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 & EMI filter Stronger when Strike & unstable mains condition.
- User's settable in multi-functions.

Hybrid Inverter GA S model

Model		PT-HDP12048
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 12000W
		PV Mode 12000W
	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	24000VA
	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	52.2A
	Power factor range	>0.99
Battery	Maximum Transfer Range(DC/AC)	98%
	Nominal Voltage	48VDC
	Constant charging voltage (adjustable)	56.4VDC
Solar Charge Controller -MPPT	Float charging voltage charging voltage (adjustable)	54VDC
	Controller Type	2 Routers MPPT
	PV Maximum Power	2×7500W
	MPPT Voltage Range	90~500VDC
	Best Vmp Working Range	360~430VDC
	Maximum PV Input Voltage	500VDC
	Maximum PV Input Current	27A/27A
	Maximum PV Charging Current	150A
	Maximum AC Charging Current	150A
Display	Maximum Charging Current	150A
	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 ,Dry contact
	Parallel	Optional Parallel(feed-in grid)
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)	570*471*148.2
Packing Parameter	L×W×H(mm)	698*565*235
	G.W.(KG)	19.3