



Features:

- No EMC filtering, cost-effective solution design
- Rounded corner design, exquisite appearance
- Multiple parameters can be adjusted according to user needs to adapt to different occasions
- Power below 3KW does not support battery-free mode
- Support lithium battery communication, external WIFI, generator self-start dry contact function
- Real-time display of actual load power greatly improves user perception
- Pure sine wave output, can adapt to different loads
- Output short-circuit protection function
- Parallel design is not supported.

MODEL	PT2012	PT4024	PT6248	PT11048
Rated input voltage	220/230/240VAC			
Voltage range	90-280VAC±3V(normal mode)170-280VAC±3V(UPS mode)			
Frequency range	50Hz/60Hz(Adaptive)			
OUTPUT				
Battery Inverter	1600W	4000W	6200W	11000W
Photovoltaic Inverter	1600W	5000W	6500W	11000W
Peak Power	3200VA	8000VA	12400VA	22000W
Output voltage	220/230/240VAC±5%			
Output frequency	50/60Hz±0.1%			
Waveform	Pure Sine Wave			
Switching time (adjustable)	Computer equipment 10ms,home appliances 20ms			
Overload capacity	Battery Mode: 11s@105%~150%Load;2s@150%~200% Load;400ms@>200% Load			
GRID-CONNECTED OPERATION				
Output voltage	220/230/240VAC			
grid feeding voltage range	170-265VA			
grid feeding frequency range	49-51±1Hz/59-61±1Hz			
nominal output current	No grid connection	17.4A	26.9A	47.8A
power factor range	>0.99			
maximum conversion efficiency (DC/AC)	98%			
BATTERY				
Rated voltage	12Vdc	24Vdc	48Vdc	48Vdc
constant voltage charging voltage (configurable)	14.1Vdc	28.2Vdc	56.4Vdc	56.4Vdc
float charging voltage (configurable)	13.5Vdc	27Vdc	54Vdc	54Vdc
PV CHARGER				
PV charging method	MPPT	MPPT	MPPT	Dual MPPT
Maximum input power of PV	2000W	5000W	6200W	2x5500W
MPPT input voltage range	40-500Vdc	60~500Vdc	60-500Vdc	90-500Vdc
optimal Vmp operating range	300~400Vdc	300~400Vdc	300~400Vdc	300~400Vdc
maximum PV input voltage	500Vdc	500Vdc	500Vdc	500Vdc
maximum PV input current	13A	18A	18A	18A/18A
maximum PV charging current	100A	120A	120A	150A
maximum mains charging current	60A	100A	100A	150A
maximum charging current	100A	120A	120A	150A
DISPLAY				
LCD Interface	Can display operation mode/load/input/output, etc.			
INTERFACE				
RS232	Baud rate 2400			
Expansion slot communication interface	Lithium battery BMS communication card, WiFi card, dry contact card, etc.			
Parallel interface	No parallel function			Parallel function
ENVIRONMENTAL PARAMETERS				
Operating ambient temperature	-10°C~+50°C			
Operating environment humidity	20%~95%(No condensation)			
Storage temperature	-15°C~+60°C			
noise	<45dB			
PHYSICAL PARAMETERS				
Depth × width × height (mm)	403*304*114mm	433*330*138mm	601*360*163mm	
Standards and certifications	EN-IEC60335-1,EN-IEC60335-2-29,IEC62109-1			