

- Specifications:
- Pure sine wave inverter
 - Built-in **MPPT** solar charge controller
 - Selectable input voltage range for home use
 - Selectable charging current based on applications
 - Configurable AC/Solar input priority via LCD setting
 - Compatible to mains voltage or generator power
 - Auto restart while AC is recovering
 - Overload and short circuit protection
 - Smart battery charger design for optimized battery performance
 - Cold start function
 - Parallel operation with up to 6 units only available for MPS 5K



Model No.	MPS-1024M	MPS-2024M	MPS-3024M	MPS-4048M	MPS-4860	MPS-4880	
Rated power	1000VA /800W	2000VA /1600W	3000VA /2400W	4000VA /3200W	5000VA /4000W	5000VA /4000W	
Input	voltage	230VAC	230VAC				
	selectable voltage range	170-280VAC (for personal computers)			90-280VAC (for home appliances)		
	Frequency range	50Hz/60Hz (auto sensing)					
Output	AC voltage regulation (Batt.mode)	230VAC±5%					
	Surge power	2000VA	4000VA	6000VA	8000VA	10000VA	10000VA
	efficiency (peak)	90%-93%	93%				
	transfer time	10ms(for personal computers) ; 20ms (for home appliances)					
	waveform	pure sine wave					
Battery& AC charger	battery voltage	24VDC	24VDC	24VDC	48VDC		
	floating charge voltage	27VDC	27VDC	27VDC	54VDC		
	overcharge protection	31VDC	31VDC	31VDC	62VDC		
	maximum charge current	0A or 10A/20A	20A or 30A	20A or 30A	20A or 30A		
	MAX PV array power	600W	600W	1440W	3000W	3000W	4000W
	MPPT range@ operating voltage	30VDC-66VDC	30VDC-66VDC	30VDC-115VDC	60VDC-115VDC		
	maximum PV array open circuit voltage	75VDC	75VDC	145VDC	145VDC		
	maximum charging current	25A	25A	60A	60A	60A	80A
	maximum efficiency	98%					
	standby power consumption	2W					
	Physical	Dimension, D*W*H(mm)	128*272*355				
Net weight (kgs)		7,4	7,6	11	12,5	15	15
operating Environment	humidity	5%-95% relative humidity (non-condensing)					
	operating temperature	0°C-55°C					
	storage temperature	-15°C-60°C					
Model	MPS-1024	MPS-2024M	MPS-3024M	MPS-4048M	MPS-4860	MPS-4880	
inverter power	800W	1600W	2400W	3200W	4000W	4000W	
Pmax generated from solar charger	25Amp, 600W	24Amp, 600W	20Amp, 1440W	60Amp, 3000W	60Amp, 3000W	80Amp, 4000W	
best panel configuration	500Wp (250Wp*2pcs)	500Wp (250Wp*2pcs)	1440Wp (250Wp*12pcs)	3000Wp (250Wp*12pcs)	3000Wp (250Wp*12pcs)	4000Wp (250Wp*16pcs)	