



## PV1800 MPK Series High Frequency Solar Inverter



- Pure sine wave output
- Built-in MPPT solar charge controller
- Selectable input voltage range for home appliances and personal computers
- 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
- Smart battery charging design to optimize battery performance
- Cold start function
- Parallel operation with up to 6 units (Only available for MUST PV18-4K/5K)
- Optional Remote Control Panel available

### Specification

MODEL		PV18-1K	PV18-2K	PV18-3K	PV18-4K	PV18-5K
Default Battery System Voltage		12VDC	24VDC	24VDC	48VDC	48VDC
INVERTER OUTPUT	Rated Power	1000VA	2000VA	3000VA	4000VA	5000VA
		800W	1600W	2400W	3200W	4000W
	Surge Power	2000VA	4000VA	6000VA	8000VA	10000VA
	Waveform	Pure sine wave				
	AC Voltage Regulation (Batt.Mode)	230VAC±5%				
	Inverter Efficiency (Peak)	90%	93%			
Transfer Time	10ms(For Personal Computers) 20ms(For Home Appliances)					
AC INPUT	Voltage	230VAC				
	Selectable Voltage Range	170~280VAC(For Personal Computers) 90~280VAC(For Home Appliances)				
	Frequency Range	50Hz/60Hz (Auto sensing)				
BATTERY	Nominal voltage	12VDC	24VDC	48VDC		
	Floating Charge Voltage	13.5VDC	27VDC	54VDC		
	Overcharge Protection	15VDC	30VDC	60VDC		
SOLAR CHARGER & AC CHARGER	Maximum PV Array Power	400W	800W or 1600W	3200W		
	Maximum PV Array Open Circuit Voltage	30VDC	60VDC	145VDC		
	Standby Power Consumption	1W	2W	2W		
	(MPPT)Maximum Solar Charge Current	25A	30A or 60A	60A		
	Maximum AC Charge Current	10A or 20A	20A or 30A	60A		
	Maximum Charge Current	45A	55A or 90A	120A		
MECHANICAL SPECIFICATION	Dimension,W*H*D	240*316*95mm	272*355*100mm	297.5*468*125mm		
	Net Weight (kg)	8	12	15		
OTHER	Humidity	5% to 95% Relative Humidity (Non-condensing)				
	Operating Temperature	0°C -55°C				
	Storage Temperature	-15°C -60°C				
	Loading(20GP/40GP/40HQ)	570pcs / 1140pcs / 1380 pcs			380pcs / 760pcs / 920pcs	

\* Product specifications are subject to change without further notice.