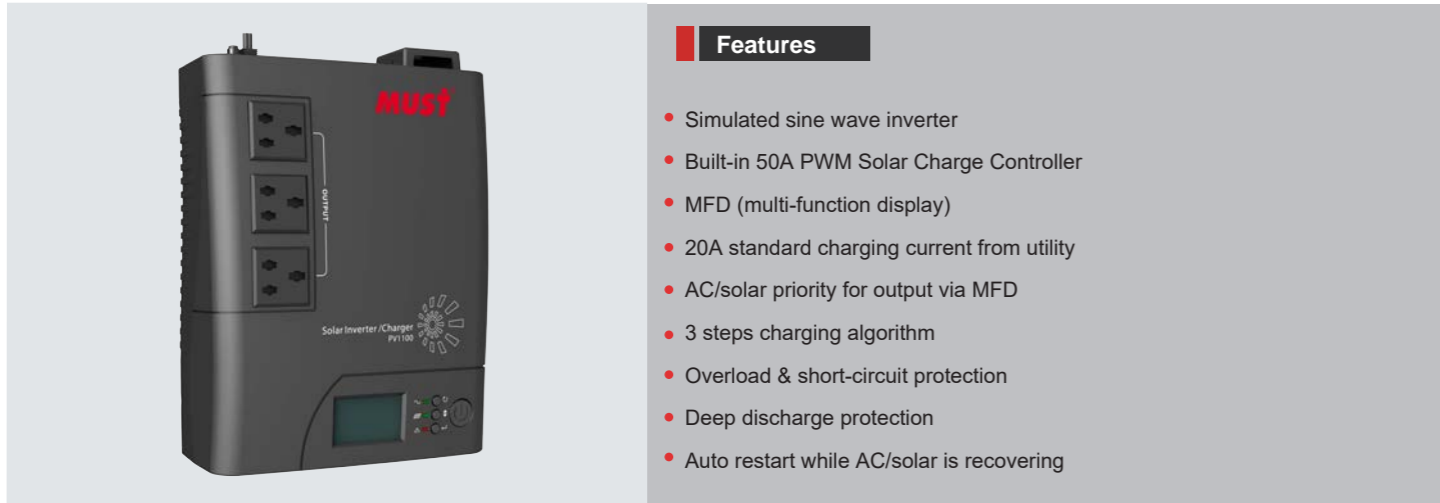


High Frequency Solar Inverter

PV1300 Series (1/1.5KVA)



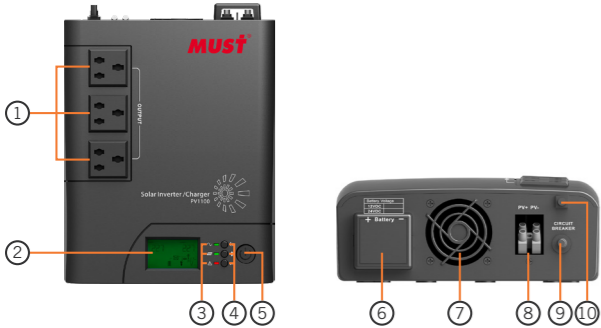
Features

- Simulated sine wave inverter
- Built-in 50A PWM Solar Charge Controller
- MFD (multi-function display)
- 20A standard charging current from utility
- AC/solar priority for output via MFD
- 3 steps charging algorithm
- Overload & short-circuit protection
- Deep discharge protection
- Auto restart while AC/solar is recovering

Introduction

PV1300 is a cost effective , intelligent hybrid off grid solar inverter with power range 1000VA 1500VA. The LCD display offers friendly user-configurable button adjustment such as input voltage setting, AC/solar charger priority , mute setting. When battery voltage is low, it will automatically switch to AC grid to supply continuous power to the loads. It suitable for personal home use.

Back panel printing description



1. Output Receptacle(s)
2. LCD display
3. Status indicators
4. Setting button
5. Power switch
6. External battery connectors
7. FAN

Solar system connection



Specification

MODEL		PV13-1012	PV13-1512	PV13-1024	PV13-1524
Nominal Battery System Voltage		12VDC	12VDC	24VDC	24VDC
INVERTER OUTPUT	Rated Power	1000VA/600W	1500VA/1000W	1000VA/600W	1500VA/1000W
	Waveform	Simulated Sine-wave			
	Nominal Output Voltage	230V			
	Output Voltage	+10/-18%			
	Output Frequency	50Hz/60Hz +/-1 Hz			
	Inverter Efficiency(Peak)	>80%			
	Line Mode Efficiency	>98%			
	Typical Transfer Time	Typical 6~8ms 10ms max			
AC INPUT	Voltage		230VAC		
	Selectable Voltage Range	Narrow (UPS Model)	175~260VAC		
		Wide (INV Model)	140~270VAC		
	Frequency Range		40Hz-70Hz (Auto sensing)		
BATTERY	Nominal Input Voltage	12VDC	24VDC		
	Minimum Start Voltage	10.5VDC	21.0VDC		
	Low Battery Alarm	10.4VDC (min)	20.8VDC (min)		
	Low Battery Cutoff	10.0VDC	20.0VDC		
	High Voltage Cutoff	15.5VDC (max)	31.0VDC (max)		
	Maximum PV Charge		50A (max)		
Maximum PV Array		450W/750W	900W/1500W		
SOLAR CHARGER	PWM Range @		16~55VDC		
	Maximum PV Array		55VDC		
	Maximum Efficiency		>95%		
	Standby Power		<2W		
	AC Charger Voltage	14.4V(max)	28.8V(max)		
	AC Charging Current	10A			
	Nominal Input		40Hz - 70Hz		
BYPASS	Overload Protection	FUSE			
	Output Short Circuit	FUSE			
	Bypass Fuse Rating	10A			
	Max Bypass Current	10Amp			
	Machine Dimensions	231*290*92mm			
MECHANICAL SPECIFICATIONS	Package Dimensions	595*375*315mm			
	Net Weight (kg)	2.8		4	
	Gross Weight (kg)	3.5		4.7	
	Operation Temperature		0°C to 50°C		
OTHER	Audible Noise		50dB MAX		
	Display		LED+LCD		
	Loading(20GP/40GP/40H		1700pcs / 4100pcs		