


PIL SERIES POWER INVERTER

300W-10kW 110VAC/120VAC/220VAC/230VAC

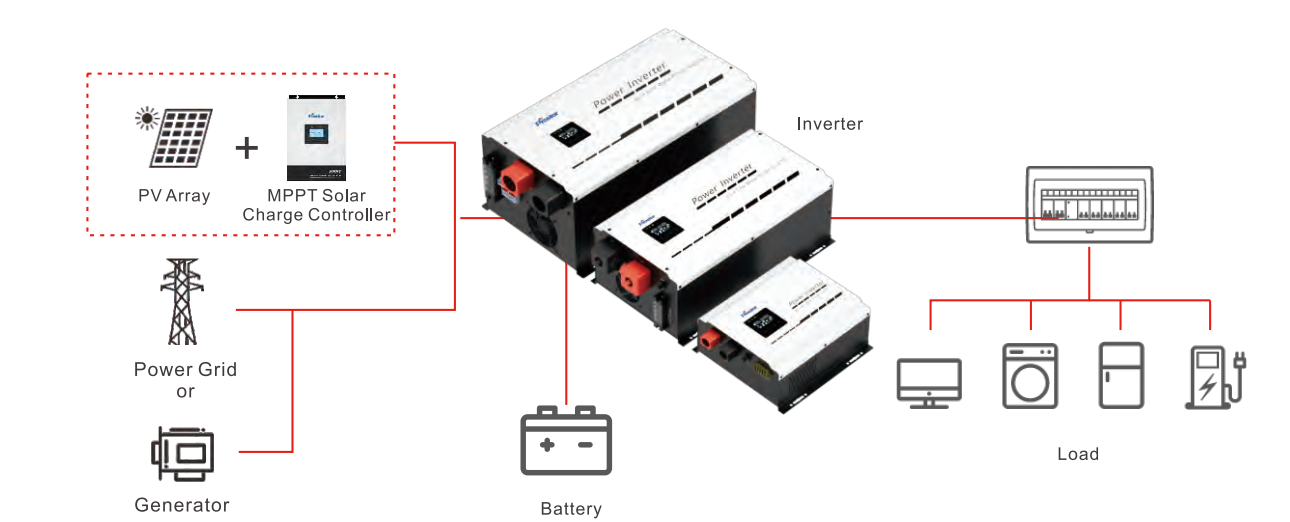


Performance Characteristics

- 1. Advanced all-digital CPU control
- 2. Built-in toroidal transformer
- 3. Wide input voltage range
- 4. Auto restart while AC is recovering
- 5. Boost and buck AVR for voltage stabilization
- 6. Adjustable charging voltage and charging current
- 7. Fast charging with large charging current to reduce users' waiting time
- 8. Cold start function
- 9. LCD + LED display

Prostar PIL Series horizontal low frequency home inverter adopted the low frequency electronic circuit design and pure sine wave output,it features high conversion efficiency, high stability and low consumption. It has strong load capacity , intelligent charge, adjustable charging current and short-circuit, over-temperature, over-load protection function etc.

Application Diagram



Technical Specifications

MODEL		PIL0.3K	PIL0.6K	PIL1K	PIL1.5K	PIL2K	PIL3K	PIL4K	PIL5K	PIL6K	PIL8K	PIL10K
Rated Power		300W	600W	1000W	1500W	2000W	3000W	4000W	5000W	6000W	8000W	10000W
Instantaneous Power		900W	1800W	3000W	4500W	6000W	9000W	12000W	15000W	18000W	24000W	30000W
Dimension	Product:DxWxH(mm)	320x308 x133				550 x 295 x205					650 x 343 x269	
	Package:DxWxH(mm)	390 x345 x195				605 x 370 x255					750 x 460 x335	
Weight	N.W.(Kg/PC)	5.2	6.8	7.6	9.1	16	18.2	20.8	22.6	23.1	34.1	45
	G.W.(Kg/PC)	6.1	7.7	8.5	10.1	18.1	20.3	22.9	24.8	25.2	37.2	48
AC Input	Voltage Range	100/110/120/127/220/230VAC(+25%,-30%)				100/110/120/127/220/230VAC(+25%,-20%)						
	Frequency Range	50Hz/60Hz ± 2.5Hz										
Output	Battery Efficiency	81%				83%			85%		88%	
	AC Efficiency	93%										
	Output Voltage	100/110/120/127/220/230VAC (AC Mode±10%, Battery Mode±5%)										
	Output Frequency	50Hz/60Hz ± 0.5Hz (AC Mode± 2.5Hz)										
	Transfer Time	4ms/8ms(Optional)										
	USB Output	DC 5V/1A x1+5V/2A x1 (Optional)										
	Wave Form	Pure Sine Wave										
Connector	Input/Output	Input & Output Terminals										
	Battery	Terminals										
Battery	Voltage	12VDC			24VDC			48VDC			48VDC/96VDC	
	Charging Current	0-20A(Adjustable)			0-40A(Adjustable)							48V:0-80A(Adjustable) 96V:0-45A(Adjustable)
LCD	Display	LCD+LED										
	Content	Input/Output Voltage, Battery Voltage, Battery Capacity, Load Capacity, Working mode,Frequency										
Prote ction	Battery Reversal	Optional										
	Output Short Circuit	AC mode: Jump fuse, Inverter mode: Shut down										
	Overload	If Overload 105%, Inverter will alarm.If Overload 130%, Inverter will shut down in 10s.Once the inverter is off,It must be turned on manually										
	High AC Voltage	Turn off AC, Turn to Inverter mode automatically										
	Low DC Voltage	Inverter shut down automatically, Once the AC recover, Inverter turn on and charge automatically										
	Over Temperature	Inverter will alarm and turn off output but it will recover to normal state after cooling down										
Enviro nment	Humidity	15-93% (No Condensation)										
	Temperature	-10℃ ~50℃										
	Altitude	≤3000m										