

PIL SERIES POWER INVERTER

300W-10kW

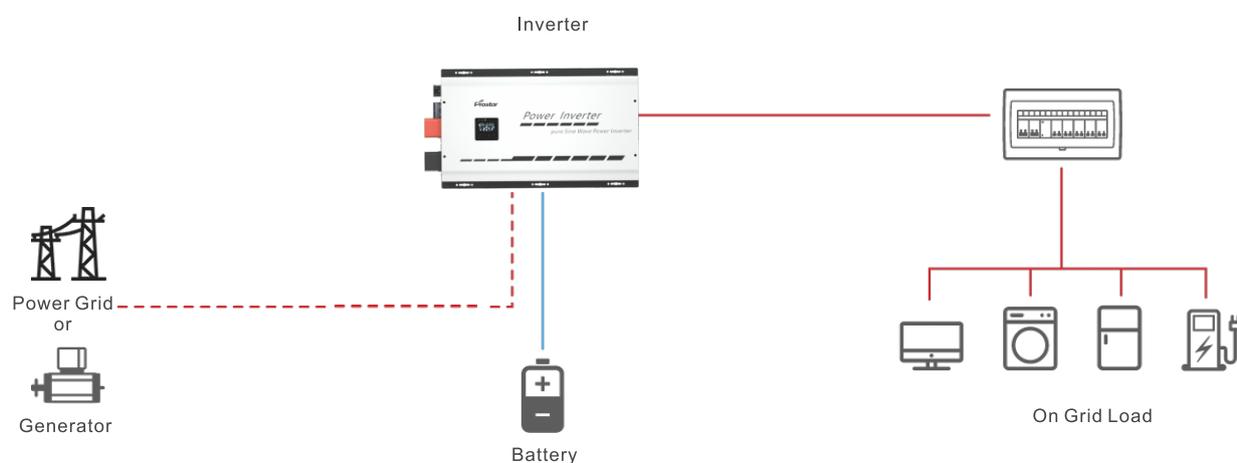


Performance Characteristics

1. Advanced all-digital CPU control
2. Built-in toroidal transformer
3. Wide input voltage range
4. Well unattended function
5. Auto restart while AC is recovering
6. Boost and buck AVR for voltage stabilization
7. Adjustable charging voltage and charging current
8. Fast charging with large charging current to reduce users' waiting time
9. Cold start function
10. 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	PIL2.0K	PIL2K	PIL3K	PIL4K	PIL5K	PIL6K	PIL8K	PIL10K
Rated Power		300W	600W	1000W	1500W	2000W	2000W	3000W	4000W	5000W	6000W	8000W	10000W
Instantaneous Power		900W	1800W	3000W	4500W	6000W	6000W	9000W	12000W	15000W	18000W	24000W	30000W
Dimension	Dimension:D x WxH(mm)	320x278 x133					550 x 295 x205					620 x 330 x245	
	Dimension:D x WxH(mm)	400 x300 x205					620 x 380 x280					690 x 415 x320	
Weight	N.W.(KGS/PC)	5.8	7.1	14	16	16	19.2	25.8	33.5	39	43.4	54	62
	G.W.(KGS/PC)	6.5	7.9	15.5	17.5	17.5	20.7	27.3	35.7	41.2	45.6	56	64
AC Input	Voltage Range	100/110/120/127/220/230VAC(+25%,-36%)					100/110/120/127/220/230VAC(±25%)						
	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		24VDC		48VDC		24VDC/48VDC		48VDC		96VDC	
	Charging Current	1-20A(Adjustable)					3-60A(Adjustable)					0-20A(Adjustable)	
LCD	Method	LCD+LED											
	Content	Input/Output Voltage, Battery Voltage, Battery Capacity, Load Capacity, Working mode,Frequency											
Protection	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											
Environment	Humidity	15-93% (No condensation)											
	Temperature	-10°C ~50°C											
	Altitude	≤3000m											