

EP PLUS

300W-10kW

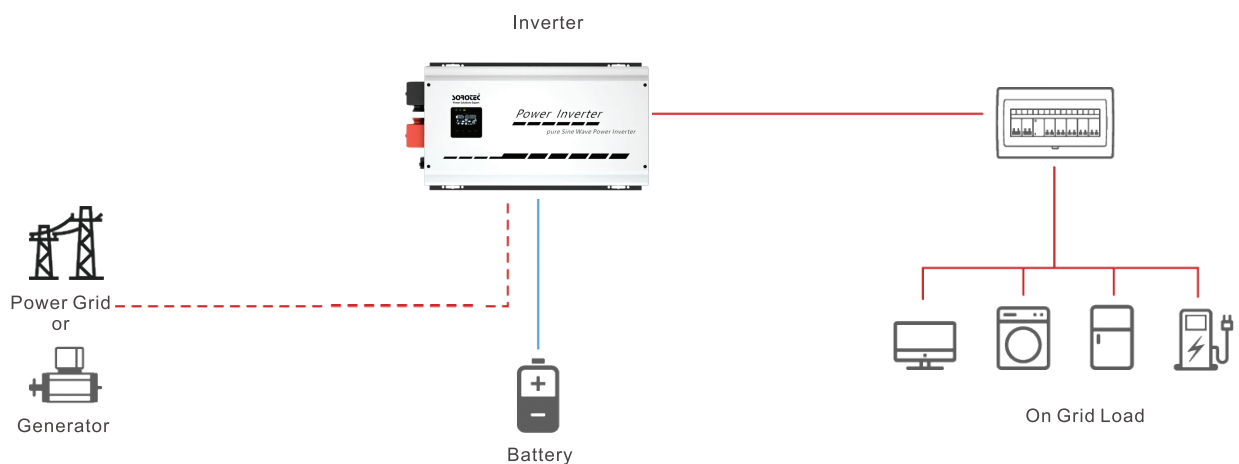


Performance Characteristics

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



EP PLUS

Technical Specifications

Model EP PLUS		0.3K-12V	0.6K-12V	1K-12V	1.5K-24V	2K-24V	2K-48V
Rated Power		300W	600W	1000W	1500W	2000W	2000W
Instantaneous Power		900W	1800W	3000W	4500W	6000W	6000W
Dimension	Dimensions: DxWxH(mm)	320 * 278 * 133					
	Dimensions: DxWxH(mm)	400 * 300 * 205					
Weight	N.W.(KGS/PC)	5.8	7.1	14	16	16	19.2
	G.W.(KGS/PC)	6.5	7.9	15.5	17.5	17.5	20.7
AC Input	Voltage Range	220/230VAC(165v~295v)					
	Frequency Range	50Hz/60Hz ± 2.5Hz					
Output	Battery Efficiency	81%					
	AC Efficiency	93%					
	Output Voltage	220/230VAC (AC mode+10%, Battery Mode +5%)					
	Output Frequency	50Hz/60Hz ± 0.5Hz (AC Model 2.5Hz)					
	Transfer time	4ms/8ms(Optional)					
	Wave Form	Pure Sine Wave					
Connector	Input/Output	Input & Output terminals					
	Battery	Terminals					
Battery	Votage	12VDC			24VDC		48VDC
	Charging Current	1-20A (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℃ ~50℃					
	Altitude	<3000m					

EP PLUS

Technical Specificatins

Model EP PLUS		3K-24V	3K-48V	4K-48V	5K-48V	6K-48V	8K-96V	10K-96V
Rated Power		3000W	3000W	4000W	5000W	6000W	8000W	10000W
Instantaneous Power		9000W	9000W	12000W	15000W	18000W	24000W	30000W
Dimension	Dimensions: DxWxH(mm)	550 * 295 * 205					620 * 330 * 245	
	Dimensions: DxWxH(mm)	620 * 380 * 280					690 * 415 * 320	
Weight	N.W.(KGS/PC)	25.8	25.8	33.5	39	43.4	54	62
	G.W.(KGS/PC)	27.3	27.3	35.7	41.2	45.6	56	64
AC Input	Voltage Range	220/230VAC(165v~295v)						
	Frequency Range	50Hz/60Hz ± 2.5Hz						
Output	Battery Efficiency	83%			85%		88%	
	AC Efficiency	93%						
	Output Voltage	220/230VAC (AC mode+10%, Battery Mode +5%)						
	Output Frequency	50Hz/60Hz ± 0.5Hz (AC Model 2.5Hz)						
	Transfer time	4ms/8ms(Optional)						
	Wave Form	Pure Sine Wave						
Connector	Input/Output	Input & Output terminals						
	Battery	Terminals						
Battery	Votage	24VDC	48VDC				96VDC	
	Charging Current	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℃ ~50℃						
	Altitude	<3000m						