

PSW SERIES LOW FREQUENCY SOLAR INVERTER

600W-10kW 110VAC/120VAC/220VAC/230VAC

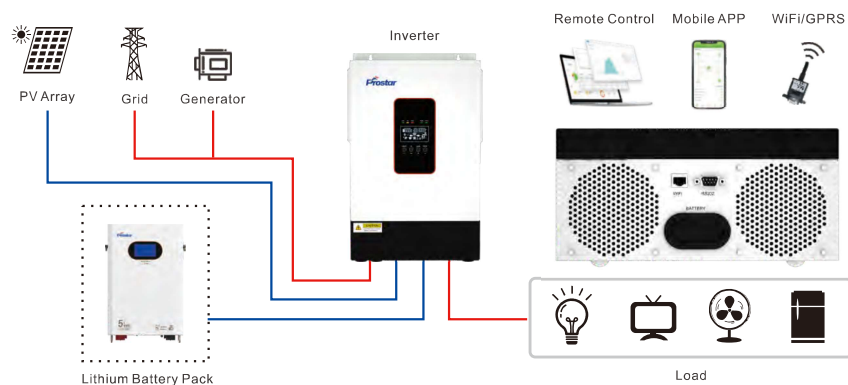


Performance Characteristics

1. Pure sine wave inverter
2. Integrated MPPT charge controller
3. UPS functionality during grid outages
4. Overload, over-temperature, and short-circuit protection
5. Smart multi-stage battery charger with configurable current and optional equalization
6. Robust reliability-tested design
7. Built-in toroidal transformer
8. Dustproof construction
9. Supports unattended operation
10. Battery high and cut-off voltage protection thresholds can be set

Prostar PSW Series Low Frequency Solar Inverter, centered around a robust built-in toroidal transformer, delivers superior surge handling and enables seamless UPS transition during grid failures; its high-efficiency integrated MPPT charge controller maximizes solar harvest, comprehensive overload, over-temperature and short-circuit protection safeguards the system, a smart multi-stage battery charger with configurable current and optional equalization optimizes battery life, and the compact wall-mounted dustproof design, reliability-tested for silent maintenance-free operation, meets diverse off-grid power requirements.

Application Diagram



Technical Specifications

MODEL	PSW0.6K	PSW1K	PSW1.5K	PSW2K	PSW3K	PSW4K	PSW5K	PSW6K	PSW8K	PSW10K	
Rated Power	600W	1000W	1500W	2000W	3000W	4000W	5000W	6000W	8000W	10000W	
Instantaneous Power	1800W	3000W	4500W	6000W	9000W	12000W	15000W	18000W	24000W	30000W	
Dimensions (DxWxH mm)	450x280x133			535x360x175					710x400x190		
Net Weight (Kg)	6.4	10.5	11.6	20.8	23.2	23.4	27.5	28.7	45.3	50	
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										
Solar MPPT Input											
Starting Voltage	18V		34VDC				65VDC				
Maximum Voltage	100VDC			150VDC							
Recharging Current	30A			60A					100A		
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)										
Wave Form	Pure Sine Wave										
Battery											
Voltage	12VDC		24VDC			48VDC					
Charging Current	0-20A(Adjustable)		0-40A(Adjustable)						0-80A(Adjustable)		
LCD											
Display	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										