

PSW PRO SERIES LOW FREQUENCY SOLAR INVERTER

500W-10kW

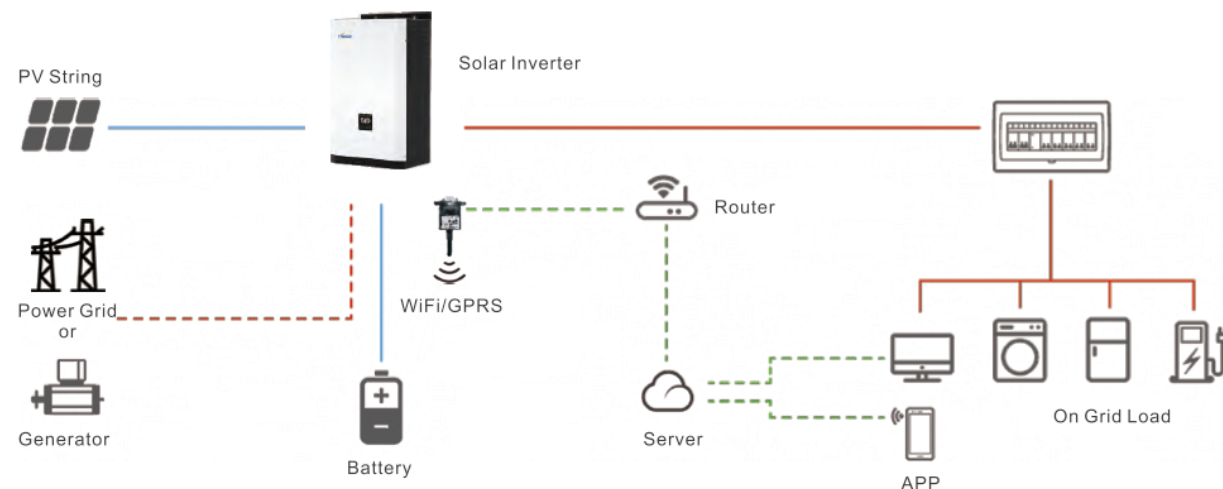


Performance Characteristics

1. Pure sine wave solar inverter
2. Built-in MPPT solar charge controller
3. Built-in toroidal transformer
4. Harness the continuously declining production cost of solar power
5. Configurable battery charging current based on applications via LCD setting
6. Uninterruptible power supply in case of grid black-out
7. Robust design through rigorous reliability testing
8. Auto access MPP tracking states, be most probable to use PV energy in priority
9. Overload, over-temperature and short-circuit protection
10. Smart multi-stage battery charger with optional equalization for optimized battery performance

Prostar PSW-PRO series wall mounted low frequency off grid solar inverter adopted wall mount design with built-in MPPT solar charge controller. Beauty and refinement appearance, compact construction, easy to install, mute and maintenance free. Using the Toroidal Transformer make it has superior impact resistance capacity to meet the requirement of different equipment; Adjustable AC charging voltage and current, free choice of working mode to meet the different types of the user's requirements.

Application Diagram



Technical Specifications

Model		PSW 0.6K-Pro	PSW 1K-Pro	PSW 1.5K-Pro	PSW 2K-Pro	PSW 3K-Pro	PSW 4K-Pro	PSW 5K-Pro	PSW 6K-Pro	PSW 8K-Pro	PSW 10K-Pro
Rated Power		600W	1000W	1500W	2000W	3000W	4000W	5000W	6000W	8000W	10000W
Instantaneous Power		1800W	3000W	4500W	6000W	9000W	12000W	15000W	18000W	24000W	30000W
Dimension	Dimension:DxWxH(mm)	450x280x165			650x370x190					700x406x265	
	Dimension:DxWxH(mm)	570 x 400 x 240			750x492x240					810x540x340	
Weight	N.W.(KGS/PC)	12	14	15.6	25.2	30.1	33.3	38.3	43	56	61
	G.W.(KGS/PC)	14	16	17.6	28.8	35.5	36.8	41.9	46.6	59.6	64.6
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									
Solar MPPT Input	Starting Voltage	18V		34Vdc				65Vdc		130Vdc	
	Maximum Voltage	100VDC				150VDC				230VDC	
	Recharging Current	30A				60A				100A	
Output	Battery Efficiency	81%				83%			85%	90%	
	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			96VDC	
	Charging Current	0-20A(Adjustable)		0-40A(Adjustable)						0-20A(Adjustable)	
LCD	Method	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									