

PSW PRO SERIES LOW FREQUENCY SOLAR INVERTER

500W-10kW

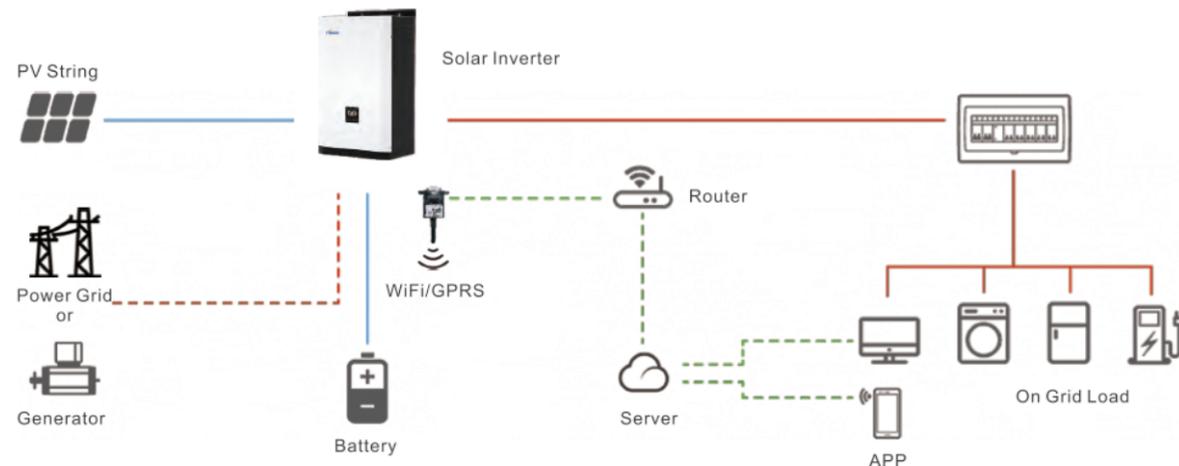


Performance Characteristics

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

Frostar 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										
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										