



ON/OFF GRID PV INVERTER (Three phases)

Hybrid Inverter PSX series



Product introduction:

PSX series is a new all-in-one solar charge inverter, which integrates solar energy storage & utility charging energy storage and AC sine wave output. Thanks to DSP control and advanced control algorithm, it has high response speed, high reliability and high industrial standard. Four charging modes are optional, i.e. Only Solar, Mains Priority, Solar Priority and Mains & Solar hybrid charging; and two output modes are available, i.e. inverter and Mains, to meet different application requirements

Performance characteristics:

- Three output modes, when the grid-connected function is enabled, grid-connected power generation or anti-reverse-current can be set, and it can also be set to off-grid output mode.
- Four charging modes, mains priority charging, solar priority charging, mains solar hybrid charging and solar only charging.
- Emergency function, support battery-free output and only PV start and load, with battery activation function.
- Parallel function, it can be flexibly combined to achieve up to 9 parallel machines.
- Protection function, perfect hardware and software protection function.
- The host computer and the APP cloud communication.

Model	PSX-8KW	PSX-10KW	PSX-12KW
INVERTER OUTPUT			
Rated output power (W)	8000	10000	12000
Rated output power (VA)	8000	10000	12000
Maximum Peak Power (W)	16000	20000	24000
Load Capacity with Motors	5HP	6HP	6HP
Rated AC Output	400 Vac Three phases, 50 / 60Hz		
Output Voltage Waveform	Pure Sine Wave		
Inverter and Bypass Switching Time	10ms (typical)		
Parallel Capacity	9		
Maximum Battery Inverter Efficiency	93%		
Overload Protection	102%~110%,5mins; 110%~125%, 10s; >125%, 2s		
BATTERY			
Battery Type	Lithium / Lead-acid / User Defined		
Rated Battery Voltage	48V		
Battery Voltage Range	40-60Vdc		
Charging Short Circuit Protection	Blown Fuse		
Max.Mains Charging Current	100A	120A	120A
Max.Hybrid Charging Current	180A	220A	260A
PV CHARGING			
MPPT Quantity	2		
Max. PV array power	6000W+6000W	7500W+7500W	9000W+9000W
Max. PV input current	22A+22A		
Max. Open Circuit Voltage	800Vdc		
MPPT Voltage Range	200-650Vdc		
MPPT Tracking Efficiency	99.9%		
MAINS INPUT			
Input Voltage Range	Phase Voltage 170-280VAC, Line Voltage 305-485VAC		
Frequency Range	50/60Hz±0.3Hz		
Output Short Circuit Protection	Circuit breaker		
Bypass Overload Current	63A		
SPECIFICATIONS			
Dimensions (W*D*H-mm)	130*445*630		
Weight (kg)	27		
Classification of waterproof	IP20		
Operating Temperature Range	-10 °C~55 °C		
Noise	<60dB		
Heat Dissipation	Forced air cooling (variable speed of fan)		
COMMUNICATION			
Embedded interface	RS485 / CAN / USB / Dry contact		
External module	WIFI/GPRS		