

PVX Off-Grid Inverter

Operation without battery

Pure sine wave solar inverter

Output power factor 1.0

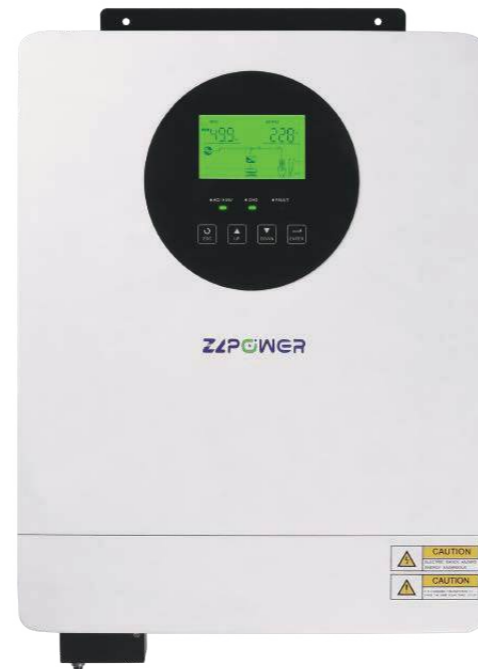
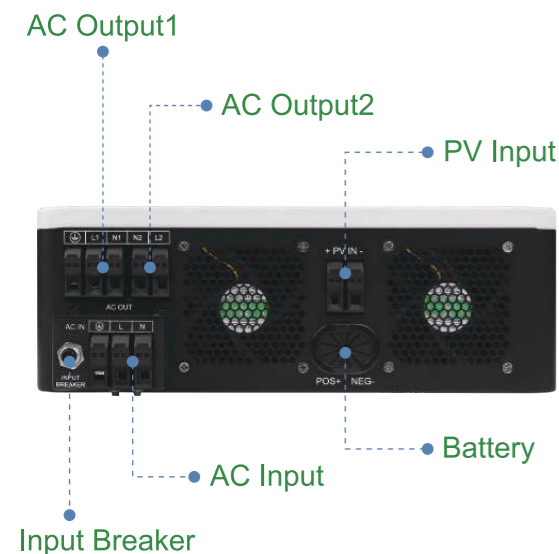
High PV input voltage range

Battery independent design

Built-in 100A MPPT solar charger

Battery equalization function to optimize battery performance and extend lifecycle

Dual output function, separating important and unimportant loads for better management of electrical equipment



PVX Off-Grid Inverter Selection Guide

MODEL	PVX4.0K-24V-100A	PVX4.0K-24V-120A	PVX6.0K-48V-100A
Rated Capacity	4.0KVA	4.0KVA	6.0KVA
Rated Power	4.0KW	4.0KW	6.0KW
INPUT			
Nominal Voltage	L-N: 220/230/240VAC		
Voltage Range	90-280VAC(APL); 170-280VAC(UPS)		
Frequency Range	50Hz/60Hz(self-adaptation)		
OUTPUT			
The total power of output 1 and output 2	4000W	4000W	6000W
Output-2 Power	Non critical load, prioritize output interruption when voltage is low.		
Voltage(BAT mode)	L-N: 220/230/240(±5%)VAC		
Frequency	50/60Hz(Adjustable)		
Surge Power	Double peak		
Efficiency	≥90%, UP to 96%		
Wave Form	Pure sine Wave		
Transfer time	10ms typical (UPS); 20ms typical (Appliances)		
BATTERY			
Nominal DC voltage	24.0V		48.0V
Buck Charging Voltage	28.2V		56.4V
Floating Charging Voltage	27.0V		54.0V
Over voltage protection	33.0V		63.0V
Solar Charger & AC Charger			
Solar Charger Type	MPPT		
PV Input Max power	4000W	5000W	6000W
PV operating voltage range	120-450V		120-450V
Max. PV Array Open Circuit Voltage	500V		500V
Max Solar Charging Current	100A	120A	100A
Max AC Charging Current	80A		80A
PHYSICS			
Dimension L*W*H(mm)	460.6*332.0*115.0		
Net weight(kg)	9.0	9.5	10.3
Communications interface(Optional)	RS232/ CAN/ Dry-contact		
Operating Humidity	0% to 90%(non-condensing)		
Operating Temperature	-10°C to 50°C		
Storage temperature	-15°C~ 60°C		
STANDARD			
Safety compliance	CE		

Product specifications are subject to change without further notice.

