

# PowerX Pro Series

High Frequency Inverter Parallel Option could Run Without Battery

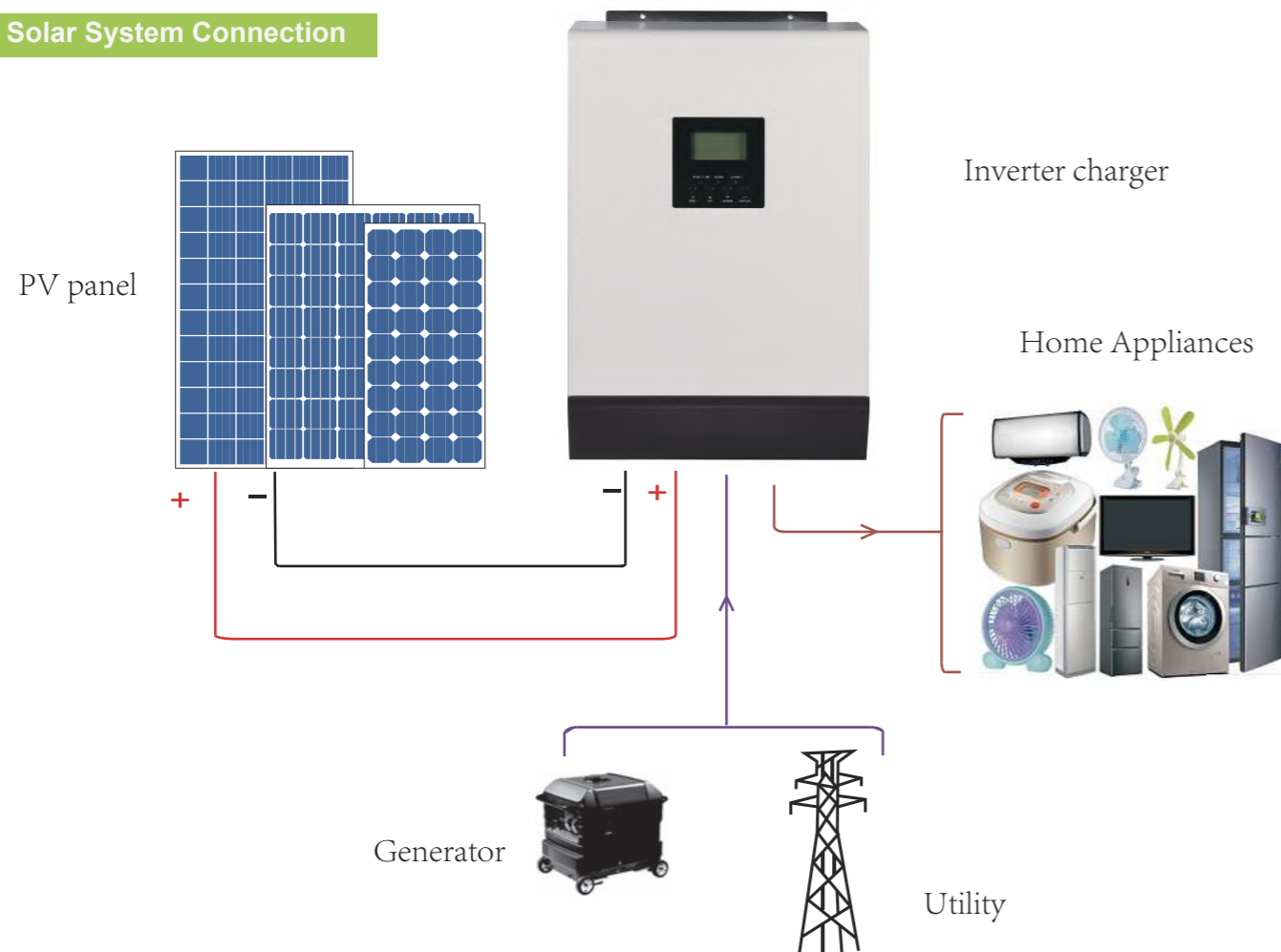
**Feature:**

- Integrates: high efficiency pure sine wave inverter(PF=1); wide PV input range(120Vdc--500Vdc)80A MPPT SCC; intelligent 3 stage 80A AC battery charger.
- Surges to 2X continuous power for 5 seconds for motor loads.
- Intelligent functionality enables utility and solar input prioritization.
- Wide utility input range(90Vac--280Vac)for unreliable grid even in the most challenging environments.
- Field serviceable with replacement boards and spare parts.
- Overload and short circuit protection
- Monitor, troubleshoot, or communication with Wifi/USB/RS232.
- System configures quickly into compact, wall-mounted system.
- This series inverters can work without batteries when there is the sun.
- Parallel operation with up to 9 units.

**Introduction:**

The PowerX Pro series is a multi functional inverter/charger, combining functions of inverter,solar charger and battery charger offer uninterruptible power support in portable size. Its comprehensive LCD display offers user-configurable and easy-accessible button operation such as battery charging current, AC/solar charger priority, and acceptable input voltage based on different applications.

**Solar System Connection**



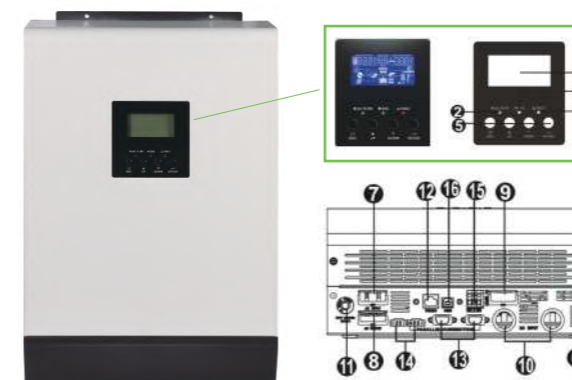
MODEL	PowerX Pro 5kva	
Nominal Battery System Voltage	48V	
Parallel Capability	Yes,9 units	
INVERTER OUTPUT & INPUT	Rated Power	5000VA/5000W
	Output Wave form	Pure Sine Wave
	Input Voltage	230VAC
	Selectable Voltage Range	170-280 VAC(For Personal Computers) 90-280 VAC(For Home Appliances)
	Output Frequency Range	50Hz/60Hz(Auto sensing)
	AC Output Voltage Regulation (Batt. Mode)	230VAC±5%
	Surge Power	10000VA
	Efficiency (Peak)	90%
	Transfer Time	10 ms (For Personal Computers) 20 ms(For Home Appliances)
	SOLAR CHARGER	Maximum PV Array Power
MPPT Range @ Operating Voltage		120VDC-500VDC
Maximum PV Array Open Circuit Voltage		450VDC
Maximum Solar Charge Current		80A
Maximum AC Charge Current		80A
BATTERY & AC CHARGER	Battery Voltage	48VDC
	Floating Charge Voltage	54VDC
	Overcharge Protection	66VDC
	Maximum Charge Current	80A
OPERATING ENVIRONMENT	Humidity	5% to 95% Relative Humidity (Non-condensing)
	Operating Temperature	0 °C~55 °C
	Operating Temperature	-15 °C ~ 60 °C
PHYSICAL	Dimension, DxWxH(mm)	120*295*468mm
	Net Weight (kg)	11

Product specifications are subject to change without further notice

**Approximate Back-Up Time Table:**

MODEL	Load(VA)	Backup Time @48Vdc 100Ah(min)	Backup Time @48Vdc 200Ah(min)
5KVA	1000	268	613
	2000	111	271
	3000	76	182
	4000	50	112
	5000	40	90

**LCD Display Information**



- |  |                     |
|--|---------------------|
| 1. LCD display   | 7. AC input         |
| 2. Status indicator  | 8. AC output        |
| 3. Charging indicator                                      | 9. PV input         |
| 4. Fault indicator   | 10. Battery input   |
| 5. Function buttons  | 11. Circuit breaker |
| 6. Power on/off switch                                     |                     |
| 12. RS232 communication port                               |                     |
| 13. Parallel communication cable( only for parallel model) |                     |
| 14. Current sharing cable (only for parallel model)        |                     |
| 15. Dry contact  |                     |
| 16. USB communication port                                 |                     |