

XPI Series 1.0kVA-7.0kVA

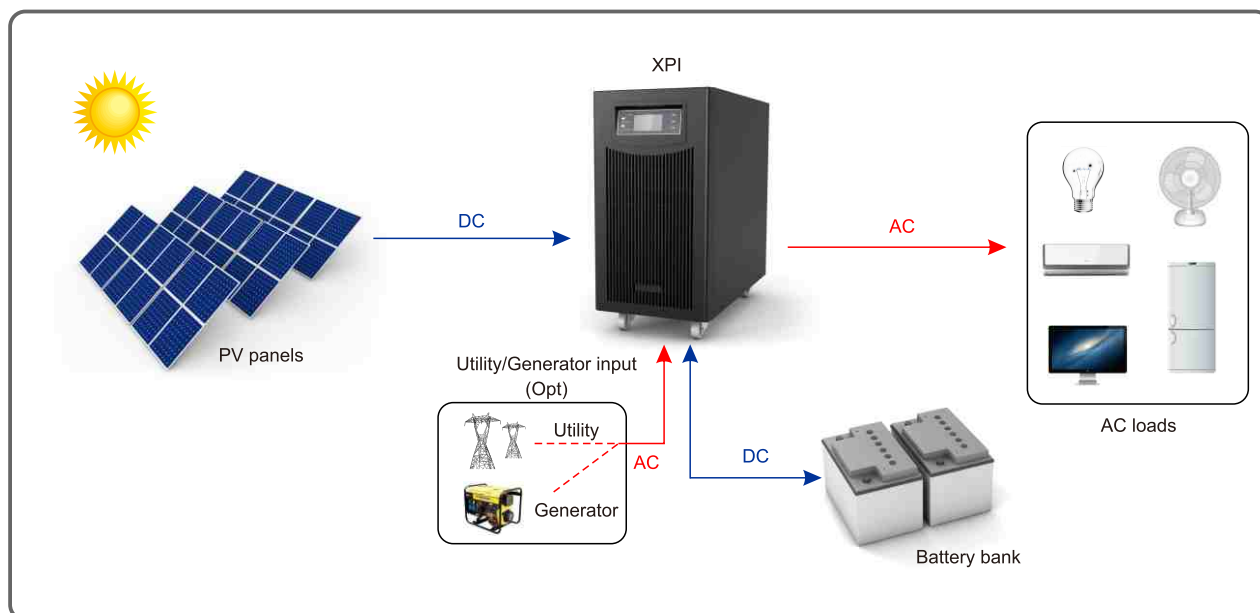
Single Phase Off-grid Inverter



Features

- > Power frequency transformer isolation design, safe and reliable
- > MPPT control algorithm, high efficient
- > LCD+LED design, user-friendly interface
- > Pure sine wave output, great overload capability
- > Overload, low voltage, surge, short circuit, overcharge, over discharge, over temperature, etc. protection

System Diagram



Technical data	1kVA	2kVA	3kVA	4kVA	5kVA	7kVA
DC Side						
Rated input power (W)	1000/1440	2880	2880	5760	5760	5760
Battery voltage (Vdc)	24	48	48	96	96	96
Number of MPPT	1	1	1	1	1	1
MPPT voltage range (Vdc)	30~90	70~150	70~150	150~300	150~300	150~300
Operating voltage (Vdc)	60	100	100	210	210	210
Max. input current (A)	50	50	50	50	50	50
Max. charge current (A)	50	50	50	50	50	50
Float charge voltage (Vdc)	26.7	53.5	53.5	107	107	107
Even charge voltage (Vdc)	28.2	56.4	56.4	112.8	112.8	112.8
AC Input						
Input voltage range (Vac)	170~260	170~260	170~260	170~260	170~260	170~260
Input frequency range (Hz)	45~55/55~65	45~55/55~65	45~55/55~65	45~55/55~65	45~55/55~65	45~55/55~65
Max. charge current (A)	20	20	20	20	20	20
Inverter						
Rated output power (VA/W)	1000/800	2000/1600	3000/2400	4000/3200	5000/4000	7000/5600
Output voltage (Vac)	220/230/230±3% (Opt)					
Output frequency (Hz)	50/60±1%	50/60±1%	50/60±1%	50/60±1%	50/60±1%	50/60±1%
THDV (Linear load)	<3%	<3%	<3%	<3%	<3%	<3%
Efficiency	>85%	>85%	>85%	>85%	>85%	>85%
Overload capacity	105%~120%, 30s 120%~150, 10s >150, 5s	105%~120%, 30s 120%~150, 10s >150, 5s	105%~120%, 30s 120%~150, 10s >150, 5s	105%~120%, 30s 120%~150, 10s >150, 5s	105%~120%, 30s 120%~150, 10s >150, 5s	105%~120%, 30s 120%~150, 10s >150, 5s
Current crest factor	3:1	3:1	3:1	3:1	3:1	3:1
Output waveform	Pure sine wave	Pure sine wave	Pure sine wave	Pure sine wave	Pure sine wave	Pure sine wave
Power factor	0.8	0.8	0.8	0.8	0.8	0.8
General Data						
Display	LCD+LED	LCD+LED	LCD+LED	LCD+LED	LCD+LED	LCD+LED
Cooling concept	Forced air cooling					
Communication port	RS232	RS232	RS232	RS232	RS232	RS232
Noise [dB(A)]	<55	<55	<55	<55	<55	<55
Operating temperature range (°C)	0~+55 (>50 derating)					
Storage temperature range (°C)	-15~70	-15~70	-15~70	-15~70	-15~70	-15~70
Humidity	0~90% (Non-condensing)					
Altitude (m)	<6000 (>3000 derating)					
Dimension (D*W*H mm)	420*145*215	500*195*345	500*195*345	500*240*490	500*240*490	500*240*490
Weight (kg)	10	19	22	33	40	54