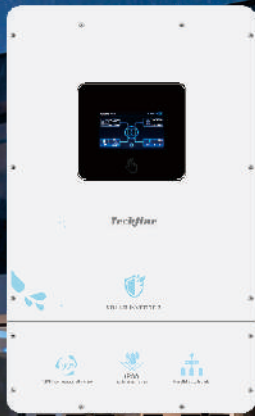


HYBRID
INVERTER
XA SERIES



HYBRID SOLAR INVERTER XA

6600VA~10600VA

FEATURES



- IP66 Protection Grade
- Max PV input current: 21A / 27A respectively
- MAX 9 Units Parallel Operation
- Built-in dual AC output modes
- Programmable power supply priority for PV, battery and grid
- Built in Dual MPPT controllers
- Automatic switching between two independent AC input sources (mains & generator)
- Built-in communication port (RS485) for Battery Management System (BMS)
- Compatible with diesel generator input

APPLICATION



Family/lighting



Construction/housing



hotel/villa



Livestock farms/forests

Model		XA6648	XA8648	XA10648
Phase		Single-phase Input / Single-phase Output		
Max PV Input Power		12000W	16000W	18000W
Rated Output Power		6600VA/6600W	8600VA/8600W	10600VA/10600W
Max Charging Power		6600W	8600W	10600W
AC Output				
Rated Input Voltage		220/230/240 VAC		
Output Voltage Range		184 - 264.5 VAC or 195.5 - 253 VAC or 182 - 260 VAC		
Rated Output Current		28.7A	37.4A	46.1A
Power Factor		>0.99	>0.99	>0.99
Max Conversion Efficiency (DC/AC)		95%	96%	96%
Grid connected Operation				
AC Input	AC Start Voltage / Auto Restart Voltage	60 - 80 VAC / 180 VAC		
	Grid Voltage Range	90 - 280 VAC or 170 - 280 VAC		
	Grid Frequency Range		50 Hz/60 Hz (Adaptive)	
	Max Grid Current	40A	60A	60A
PV Input (DC)	Max PV Input Voltage	500 VDC	500 VDC	500 VDC
	MPPT Operating Range	120 VDC ~ 450 VDC	120 VDC ~ 450 VDC	120 VDC ~ 450 VDC
	Number of MPPT Inputs / Max PV Input Current	2 / 21A	2 / 27A	2 / 27A
Battery Mode Output (AC)				
Rated Output Voltage		220/230/240 VAC	220/230/240 VAC	220/230/240 VAC
Output Waveform		Pure Sine Wave	Pure Sine Wave	Pure Sine Wave
Conversion Efficiency (DC to AC)		93%	93%	93%
Battery & Charging				
Battery Type		Lead-acid or Lithium-ion	Lead-acid or Lithium-ion	Lead-acid or Lithium-ion
Battery Voltage Range (V)		40-60VDC	40-60VDC	40-60VDC
Rated DC Voltage		48 VDC	48 VDC	48 VDC
Max PV Charging Current		135A	190A	210A
Max AC Charging Current		135A	190A	210A
Max Charging Current		135A	190A	210A
Parallel Interface		Supports up to 9 units in parallel		
Expansion Slot Communication Interface		RS-232/RS485, WIFI		
Operating Temperature		0 ~ 100% RH(Non Condensing)		
Storage Temperature		-10°C to 50°C		
Standards & Certifications				
Safety / EMC Standards		IEC/EN 62109-1 ,IEC/EN 62109-2,IEC/EN 61000-6-2/4,IEC 61683,IEC62116,IEC61727		