

HYBRID INVERTER

XA Series

6.6KW/8.6KW/10.6KW 48VDC



Features

- IP66 certified enclosure
- User-friendly HMI LCD design and easy configuration
- Built-in 2 MPPT trackers
- Maximum PV input current increases to 21A/27A
- Dual output for smart load control
- Two independent AC power sources connected and switched automatically
- Programmable supply priority for PV, Battery or Grid
- Built-in communication port for BMS (RS485)
- User-adjustable charging current and voltage
- Parallel operation up to 9 units
- Support storing energy from diesel generator



MODEL	XA6648	XA8648	XA10648
PHASE	1-phase in / 1-phase out		
MAXIMUM PV INPUT POWER	12000W	16000W	18000W
RATED OUTPUT POWER	6600VA/6600W	8600VA/8600W	10600VA/10600W
MAXIMUM CHARGING POWER	6600W	8600W	10600W
GRID OUTPUT (AC)			
Nominal Output Voltage	220/230/240 VAC		
Output Voltage Range	184 - 264.5 VAC or 195.5 - 253 VAC or 182 - 260 VAC (Selectable)		
Nominal Output Current	28.7A	37.4A	46.1A
Power Factor	> 0.99		
Maximum Conversion Efficiency (DC/AC)	>97%		
AC INPUT			
AC Start-up Voltage / Auto Restart Voltage	60 - 80 VAC / 180 VAC		
Acceptable Input Voltage Range	90 - 280 VAC or 170 - 280 VAC		
Frequency Range	50 Hz/60 Hz (Auto sensing)		
Maximum AC Input Current	40 A	60 A	60 A
PV INPUT (DC)			
Maximum DC Voltage	500 VDC		
MPPT Voltage Range	120 VDC ~ 450 VDC		
Number of MPPT Trackers / Maximum Input Current	2 / 21A	2 / 27A	2 / 27A
BATTERY MODE OUTPUT (AC)			
Nominal Output Voltage	220/230/240 VAC		
Output Waveform	Pure sine wave		
Efficiency (DC to AC)	93%		
BATTERY & CHARGER			
Battery Type	Lead-acid or Lithium-ion		
Battery Voltage Range (V)	40-60VDC		
Nominal DC Voltage	48 VDC		
Maximum Solar Charging Current	135A	190A	210A
Maximum AC Charging Current	135A	190A	210A
Maximum Charging Current	135A	190A	210A
PHYSICAL			
Dimension, D × W × H (mm)	192 × 418 × 633		
Net Weight (kgs)	23.5	28	29
INTERFACE			
Parallel Function	Yes, 9 units		
Communication Port	RS-232/RS485, WIFI		
ENVIRONMENT			
Humidity	0 ~ 100% RH (No condensing)		
Operating Temperature	-10°C to 50°C		
PROTECTION & CERTIFICATE			
Safety/EMC Standard	IEC/EN 62109-1 ,IEC/EN 62109-2,IEC/EN 61000-6-2/4,IEC 61683,IEC62116,IEC61727		