

Axpert MAX TWIN Off-Grid Inverter



- Status indication with RGB lights
- Dual outputs for smart load management
- Upgrade maximum PV current to **60A** for 12K model
- Built-in WiFi with APP for mobile monitoring and OTA firmware
- Supports USB On-the-Go function
- Built-in BMS communication port
- Built-in meter calibration for optimized system operation
- Battery independent design
- Built-in anti-dust kit
- Optional DC output for DC fan, LED bulb, router and so on
- Parallel operation with 6 units

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Axpert MAX TWIN Off-Grid Inverter Selection Guide

MODEL	Axpert MAX TWIN 8K	Axpert MAX E TWIN 11K	Axpert MAX TWIN 12K
RATED POWER	8000VA/8000W	11000VA/11000W	12000VA/12000W
PARALLEL CAPABILITY	YES, 6 units		
INPUT			
Voltage	230 VAC		
Selectable Voltage Range	170-280 VAC (For Personal Computers) 90-280 VAC (For Home Appliances)		
Frequency Range	50 Hz/60 Hz (Auto sensing)		
OUTPUT			
AC Voltage Regulation (Batt. Mode)	230VAC ± 5%		
Surge Power	16000VA	22000VA	24000VA
Efficiency (Peak)	93%		
Transfer Time	10 ms (For Personal Computers), 20 ms (For Home Appliances)		
Waveform	Pure sine wave		
Optional DC Voltage	12 VDC ± 5%, 100W	N/A	N/A
BATTERY			
Battery Voltage	48 VDC	48 VDC	48 VDC
Floating Charge Voltage	54 VDC	54 VDC	54 VDC
Overcharge Protection	66 VDC	63 VDC	63 VDC
SOLAR CHARGER & AC CHARGER			
Solar Charger Type	MPPT		
Maximum PV Array Power	11000W (5500W x 2)	13000W (6500W x 2)	18000W (Max. 12000W per tracker)
MPPT Range @ Operating Voltage	90 ~ 450 VDC		
Maximum PV Array Open Circuit Voltage	500 VDC		
Maximum PV Input Current	27A x 2 (MAX 40A)		40A/27A (MAX 60A)
Maximum Solar Charge Current	120A	150A	200A
Maximum AC Charge Current	120A	150A	200A
Maximum Charge Current	120A	150A	200A
PHYSICAL			
Dimension, D x W x H (mm)	147.4 x 432.5 x 553.6		
Net Weight (kgs)	18.4		20
Communication Interface	USB/RS232/RS485/WIFI/Dry-contact		
OPERATING ENVIRONMENT			
Humidity	5% to 95% Relative Humidity(Non-condensing)		
Operating Temperature	-10°C to 50°C		
Storage Temperature	-15°C to 60°C		
STANDARD			
Compliance Safety	IEC 62109, IEC 61683, EN/IEC 61000-6-2, 61000-6-4, 61000-3-11, 61000-3-12		

Product specifications are subject to change without further notice.