

Axpert MAX TWIN HMI Off-Grid Inverter



- User-friendly HMI LCD design for easy configuration
- Status indication with RGB lights
- Dual outputs for smart energy management
- Upgrade maximum PV power to **18000W** and PV current to **60A** for 12K model
- Maximum PV input current 27A for 8K/11K models
- 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
- Parallel operation with 12 units

OFF-GRID INVERTER

Axpert MAX TWIN HMI Off-Grid Inverter Selection Guide

MODEL	Expert MAX TWIN HMI 8K	Expert MAX TWIN HMI 11K	Expert MAX TWIN HMI 12K
RATED POWER	8000VA/8000W	11000VA/11000W	12000VA/12000W
PARALLEL CAPABILITY	YES, 12 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		
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)
Maxmum 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.