Axpert MKS 5 TWIN Off-Grid Inverter



- Increased PV power to 9000W
- Maximum PV input current 27A
- Dual outputs for smart load management
- User-friendly 4.3" HMI LCD design for easy configuration
- Wide PV input range 90 ~ 450 VDC
- Built-in WiFi with APP for mobile monitoring
- Reserved communication port for BMS
- Battery independent function
- Parallel operation with up to 6 units

Axpert MKS 5 TWIN Off-Grid Inverter Specification

MODEL	Axpert MKS 5 TWIN 6.5K
RATED POWER	6500VA/6500W
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	
Output Power	6500VA/6500W with PV+Battery; 6000VA/6000W with Battery only
AC Voltage Regulation (Batt. Mode)	230 VAC ± 5%
Overload Capability	5s@≥150% load; 10s@110%~150% load; 100ms @ ≥200% load
Efficiency (Peak)	93 %
Transfer Time	10 ms (For Personal Computers) ; 20 ms (For Home Appliances)
Waveform	Pure sine wave
BATTERY	
Battery Voltage	48 VDC
Floating Charge Voltage	54 VDC
Overcharge Protection	66 VDC
SOLAR CHARGER & AC CHARGER	
Solar Charger Type	MPPT
Maximum PV Array Power	9000W
MPPT Range @ Operating Voltage	90 ~ 450 VDC
Maximum PV Array Open Circuit Voltage	500 VDC
Maximum PV Input Current	27A
Maxmum Solar Charge Current	120 A
Maximum AC Charge Current	120 A
Maximum Charge Current	120 A
PHYSICAL	
Dimension, D x W x H (mm)	140 x 295 x 468
Net Weight (kgs)	12.0
Communication Interface	RS232/RS485/WiFi
ENVIRONMENT	
Humidity	5% to 95% Relative Humidity(Non-condensing)
Operating Temperature	-10°C to 50°C
Storage Temperature	-15°C to 60°C

Product specifications are subject to change without further notice.