

Voltronic Power AXPERT-MKS-TWIN-AXPERT-MKS-5-TWIN-6.5K

The Axpert MKS TWIN Axpert MKS 5 TWIN 6.5K is a off-grid solar inverter rated Axpert MKS 5 TWIN 6.5K. Every figure on this page is read from the manufacturer's

Models Covered: AXPERT-MKS-TWIN-AXPERT-MKS-5-TWIN-6.5K

Manufacturer: Voltronic Power

Application: The Axpert MKS TWIN Axpert MKS 5 TWIN 6.5K is a off-grid solar inverter rated Axpert MKS 5 TWIN 6.5K. Every figure on this page is read from the manufacturer's manual for the Axpert MKS TWIN series.

Technical Specifications

Parameter	AXPERT-MKS-TWIN-AXPERT-MKS-5-TWIN-6.5K
PV String Input Data	
Max PV Array Power	9000W
Max PV Input Current	27A
Max PV Open-Circuit Voltage	500 VDC
Solar Charger Type	MPPT
Electrical / AC Output Data	
Transfer / Switchover Time	10 ms (For Personal Computers) ; 20 ms (For Home Appliances)
Output Waveform	Pure sine wave
Overload Capability	5s@≥150% load; 10s@110%~150% load; 100ms @ ≥200% load
AC Voltage Regulation (Battery Mode)	230 VAC ± 5%
Selectable Voltage Range	170-280 VAC (For Personal Computers) 90-280 VAC (For Home Appliances)
Battery Data	
Max Charge Current	120 A
Max Solar / PV Charge Current	120 A
Floating / Constant Charge Voltage	54 VDC
Max AC Charge Current	120 A
Mechanical Data	
Dimensions (W×H×D)	140 x 295 x 468 mm
Net Weight	12.0 kg
Operating Conditions	
Operating Temperature	-10°C to 50°C
Relative Humidity	5% to 95% Relative Humidity(Non-condensing)
Storage Temperature Range	-15°C to 60°C

Note: Specifications are based on the official Voltronic Power AXPERT-MKS-TWIN-AXPERT-MKS-5-TWIN-6.5K datasheet. Values may be subject to change; always verify against the latest manufacturer documentation before system design and

procurement.

Availability & grid compliance in UAE

Market	UAE
Grid authority / regulator	DEWA, ADDC, SEWA
Quotation currency	AED
Support hours timezone	Asia/Dubai
Delivery & installation coverage	Dubai, Abu Dhabi, Sharjah, Ajman, Ras Al Khaimah

Figures on this page are the manufacturer's own, measured at the test conditions the datasheet states — they do not change by country. What changes is the approval that has to be met before the unit is energised: in UAE that is DEWA, ADDC, SEWA. Confirm the grid code, import requirements and any local certification with them, or with us, before you order.

Official Source & Documentation

This technical datasheet is derived from official manufacturer documentation provided by **Voltronic Power**. For the latest specifications, firmware updates, and official documentation, visit the manufacturer's website.

- **Manufacturer Website:** www.voltronicpower.com
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Disclaimer: All specifications and technical data presented on this page are based on the official Voltronic Power AXPert-MKS-TWIN-AXPERT-MKS-5-TWIN-6.5K datasheet published by Voltronic Power. Specifications are subject to change without notice. Always verify against the latest manufacturer documentation at voltronicpower.com before system design, procurement, or installation. Compliance with local regulations, grid codes (DEWA, ADDC, SEWA) and utility requirements in UAE is the responsibility of the system designer/installer.

Last Updated: 2026-08-18 | **Document Version:** 2.0 | **Data Source:** Voltronic Power Official Datasheet | **Published by:** Voltronic Power Solutions (voltronicpower.org)