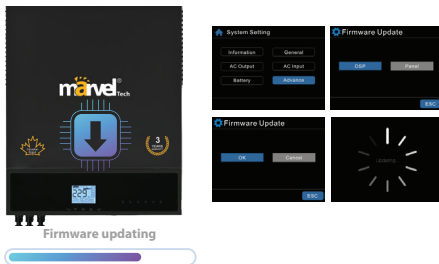


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Axpert MAX AIR datasheet



- **Exclusive live firmware update (LFU) function embedded for seamless updates**
Enables uninterrupted online updates, ensuring continuous and stable output. Allows users to update the program online smoothly without worrying about interrupted output.

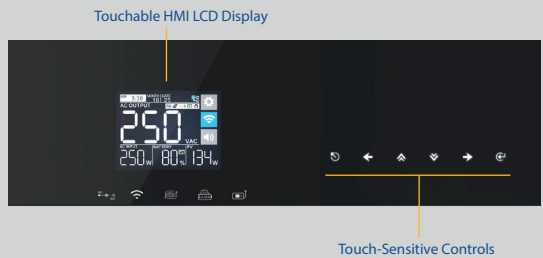


- **Ultra-Low No-Load consumption**
Cuts no-load current by 50%, lowering energy loss to under 1A for improved efficiency.
- **Manage your system performance effortlessly, anytime and anywhere**
Easily set up initial configurations and scenarios with an integrated Wi-Fi design. Monitor performance on the APP with a visualized interface for daily, monthly, or annual data.



- **Adjust neutral-ground bonding conveniently from the LCD or mobile APP**
Allows users to easily select whether to bond the output neutral and ground. The setting can be conveniently changed via the LCD or mobile app, ensuring compliance with regional regulations.
- **Compact and high-density design reduces dimensions by 30%**
Featuring a compact, high-density design, our optimized structural and electrical engineering reduces the overall dimensions by 30% compared to average inverters.

Operation Panel

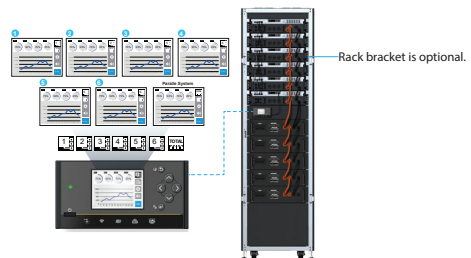


- **User-friendly LCD HMI with touch-button navigation**
An intuitive HMI operation panel featuring a touchscreen and sensitive buttons for seamless data acquisition, and real-time visualization.



- **Central monitoring design for rack-mounted and wall-mounted parallel systems with an optional remote panel**

Provides an easy-to-use interface for real-time monitoring, improving visibility in parallel installations, and ensuring a smoother setup with a remote panel. Users can switch between data from the current inverter or all parallel inverters, view daily, weekly, monthly, or yearly data, and check detailed PV, battery, and grid information.



- **Anti-Dust & Anti-Moisture coating for long-lasting reliability**

A protective adhesive layer shields all electronic components from dust & moisture, enhancing durability and ensuring consistent performance over time

- **Dual outputs for smart load management**

There are two outputs available. The second output can be scheduled on/off, setting cut-off voltage or SOC and discharging time via LCD setting. It facilitates users smart load control.

- **Super high PV input capacity at 60A – ready for modern solar panels**

With a maximum PV input current of 60 A, the Axpert Max Air meets the growing market demand for solar panels with increased Imp, ensuring seamless integration and optimal performance.

- **Parallel-ready to expand up to 12 units**

The new generation DSP offers a 50% increase in performance for more flexibility to extend the performance requirements. The high efficiency of the Axpert Max Air allows to expand up to 12 units for increased capacity.

Apkert MAX AIR Off-Grid Inverter Selection Guide

MODEL	Apkert MAX AIR 8K	Apkert MAX AIR 10K	Apkert MAX AIR 12K
Rated Power	8000VA/8000W	10000VA/10000W	12000VA/12000W
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 ± 10%		
Surge Power	16000VA	20000VA	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		
Floating Charge Voltage	54 VDC		
Overcharge Protection	63 VDC		
SOLAR CHARGER & AC CHARGER			
Solar Charger type	MPPT		
Maximum PV Array Power	11000W	13000W	18000W
MPP Range @ Operating Voltage	60 ~ 450 VDC		
Maximum PV Array Open Circuit Voltage	500 VDC		
Maximum PV Input Current	30A x 2 (Max. 45A)		40A/30A (Max. 60A)
Maximum Solar Charge Current	150A	150A	200A
Maximum AC Charge Current	120A	150A	200A
PHYSICAL			
Dimension, D x W x H (mm)	110 x 420 x 510		
Net Weight (kgs)	15	15.5	16
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		
Ingress Protection	IP52		

Product specifications are subject to change without further notice.