

LCD Display Panel



• 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.

• Maximum PV input current 27A

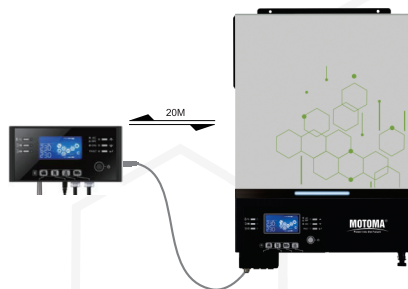
Designed with 27A PV input current, Axpert VM III TWIN is compatible to the market trend of increased Imp in solar panel.

• Wide PV input voltage range 60VDC~450VDC

Now, Axpert VM III TWIN allows wide PV input voltage range from 60VDC to 450VDC. This features allow less solar panel required in the system and save space.

• Detachable LCD control module with various communications

This detachable LCD control module can be turned to remote panel. Users can install the LCD panel in accessible area away from inverter up to 20 meters.



• Built-in WiFi for mobile monitoring (App is available)

VM III TWIN series is integrated Wifi interface ready for mobile monitoring. This technology allows wireless communication up to 6~7m in an open space. Now, WatchPower App is available in google store.



• Customizable status LED Line with RGB lights



• Reserved communication port (RS-485, CAN-BUS or RS-232) for BMS

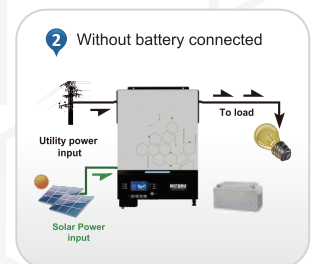
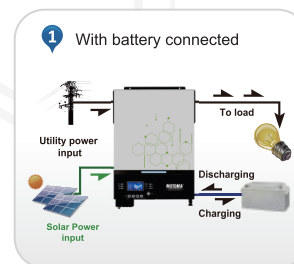
This third generation inverter is reserved communication port for BMS. For the detailed information, please contact sales directly.

• Battery equalization extends lifecycle

This inverter charger is built in battery equalization function. This function will help remove sulfation to optimize battery performance and even extend lifecycle.

• Battery independency

Inverter can keep supplying power to the loads from PV energy or the grid without battery connected.



• User-friendly LCD operation

Users can easily set up or change the charging current, output source and charger source prioritization through LCD control panel to optimize inverter performance.



• Replaceable fan design

VM III TWIN series is designed with replaceable fan. It will simplify the maintenance and reduce the maintenance cost.



OFF- GRID INVERTER

Axpert VM III TWIN

Axpert VM III TWIN Off-Grid Inverter Selection Guide

MODEL			Axpert VM III TWIN 4K		Axpert VM III TWIN 6K	
Rated Power		4000VA/4000W		6000VA/6000W		
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		8000VA		12000VA		
Efficiency (Peak)		90% ~ 93%				
Transfer Time		15 ms (For Personal Computers) 20 ms (For Home Appliances)				
Waveform		Pure sine wave				
BATTERY						
Battery Voltage		24 VDC		48 VDC		
Floating Charge Voltage		27 VDC		54 VDC		
Overcharge Protection		33 VDC		63 VDC		
SOLAR CHARGER & AC CHARGER						
Solar Charger type		MPPT				
Maximum PV Array Power		5000W		6000W		
MPP Range @ Operating Voltage		60 ~ 450 VDC		60 ~ 450 VDC		
Maximum PV Array Open Circuit Voltage		500 VDC		500 VDC		
Maximum PV Input Current		27A				
Maximum Solar Charge Current		120A		120A		
Maximum AC Charge Current		100A		100A		
Maximum Charge Current		120A		120A		
PHYSICAL						
Dimension, D x W x H (mm)		115 x 300 x 435				
Net Weight (kgs)		9		10		
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				

Product specifications are subject to change without further notice.