

# ARM Axpert TWIN Off-Grid Inverter



- Dual outputs, for smart load management
- Maximum PV input current increases to 27A
- Wide PV input voltage range 60VDC ~ 450VDC
- Battery independent design
- Built-in 120A MPPT solar charger
- Battery equalization function to optimize battery performance and extend lifecycle

## ARM Axpert TWIN Off-Grid Inverter Selection Guide

MODEL	ARM Axpert TWIN 3.6K	ARM Axpert TWIN 5.6K
RATED POWER	3600VA/3600W	5600VA/5600W
<b>INPUT</b>		
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)	
<b>OUTPUT</b>		
AC Voltage Regulation (Batt. Mode)	230VAC ± 5%	
Surge Power	7200VA	11200VA
Efficiency (Peak)	93%	
Transfer Time	10 ms (For Personal Computers) 20 ms (For Home Appliances)	
Waveform	Pure sine wave	
Dual Outputs	Yes	
<b>BATTERY</b>		
Battery Voltage	24 VDC	48 VDC
Floating Charge Voltage	27 VDC	54 VDC
Overcharge Protection	33 VDC	63 VDC
<b>SOLAR CHARGER &amp; AC CHARGER</b>		
Solar Charger type	MPPT	
Maximum PV Array Open Circuit Voltage	500 VDC	
Maximum PV Array Power	5000W	6000W
Maximum PV Input Current	27A	27A
MPP Range @ Operating Voltage	60-450 VDC	60-450 VDC
Maximum Solar Charge Current	120A	120A
Maximum AC Charge Current	100A	100A
Maximum Charge Current	120A	120A
<b>PHYSICAL</b>		
Dimension, D x W x H (mm)	107 x 322.6 x 420.3	
Net Weight (kgs)	9.5	10.5
Communication Interface	USB/RS-232	
<b>OPERATING ENVIRONMENT</b>		
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