

ARM Axpert Premium Off-Grid Inverter

Off-Grid Inverter



- Pure sine wave solar inverter
- Reserved communication port for BMS
- Wide PV input range, starts from 30VD for 1.2K/2.5K/3K-24V models
- Battery independent design
- Maximum charging current 100A
- Battery equalization function to optimize battery performance and extend lifecycle
- Built-in anti-dust kit

ARM Axpert Premium Off-Grid Inverter Selection Guide

MODEL	ARM Axpert Premium 1.2K	ARM Axpert Premium 2.5K	ARM Axpert Premium 3K-24V	ARM Axpert Premium 3K-48V	ARM Axpert Premium 5K-48V
Rated Power	1200VA/1200W	1200VA/2500W	3000VA/3000W	3000VA/3000W	5000VA/5000W
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 ± 5%				
Surge Power	2400VA	5000VA	6000VA	6000VA	10000VA
Efficiency (Peak)	93%				
Transfer Time	10 ms (For Personal Computers) ; 20 ms (For Home Appliances)				
Waveform	Pure sine wave				
BATTERY					
Battery Voltage	12 VDC	24 VDC		48 VDC	
Floating Charge Voltage	13.5 VDC	27 VDC		54 VDC	
Overcharge Protection	16 VDC	32 VDC		63 VDC	
SOLAR CHARGER & AC CHARGER					
Solar Charger Type	MPPT				
Maximum PV Array Open Circuit Voltage	350 VDC		450 VDC		500 VDC
Maximum PV Array Power	2000W		3000W		5000W
Maximum PV Input Current			13A		18A
MPP Range @ Operating Voltage	30 ~ 300 VDC (30 ~ 60VDC with battery connected)		30 ~ 400 VDC (30 ~ 60VDC with battery connected)	60 ~ 400 VDC	120 ~ 450VDC
Maximum Solar Charge Current			100 A		100A
Maximum AC Charge Current		80A		60A	100A
Maximum Charge Current			100A		100A
PHYSICAL					
Dimension, D x W x H (mm)	90 x 288 x 357		110 x 288 x 390	90 x 288 x 357	120 x 300 x 440
Net Weight (kgs)	6.5	7.0	7.2	7.0	10
Communication Interface	RS232/RS485, optional 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.