

# Axpert SE Off-Grid Inverter



- Pure sine wave solar inverter
- Unique ventilation design for harsh environment
- Built-in dust filter
- Output power factor 1
- Wide DC input range
- Battery independent design
- Built-in 80A MPPT solar charger
- Configurable output source priority via LCD setting
- Battery equalization function to optimize battery performance and extend lifecycle
- Parallel operation with up to 9 units only available for 5kVA

## Axpert SE Off-Grid Inverter Selection Guide

MODEL	Axpert SE 3000-24	Axpert MKS II SE 5000-48
<b>Rated Power</b>	3000VA/3000W	5000VA/5000W
<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 $\pm$ 5%	
Overload Capacity	105%~130% load 10 sec ; $\geq$ 130% load 5 sec	110%~150% load 10 sec ; $\geq$ 150% load 5 sec
Efficiency (Peak)	93%	
Transfer Time	10 ms (For Personal Computers) ; 20 ms (For Home Appliances)	
Waveform	Pure sine wave	
<b>BATTERY</b>		
Battery Voltage	24 VDC	48 VDC
Floating Charge Voltage	27 VDC	54 VDC
Overcharge Protection	31 VDC	63 VDC
<b>SOLAR CHARGER &amp; AC CHARGER</b>		
Solar Charger Type	MPPT	
Maximum PV Array Power	4000W	6000W
MPPT Range @ Operating Voltage	120 ~ 450 VDC	120 ~ 450 VDC
Maximum PV Array Open Circuit Voltage	500 VDC	450 VDC
Maximum Solar Charge Current	80A	80A
Maximum AC Charge Current	60A	80A
Maximum Charge Current	80A	80A
<b>PHYSICAL</b>		
Dimension, D X W X H (mm)	110 x 350 x 450	125 x 378 x 516
Net Weight (kgs)	14	16
Communication Interface	USB and RS232	
<b>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.