

Axpert MLV Off-Grid Inverter



- Pure sine wave inverter
- Selectable output voltage at 120VAC/208VAC/240VAC depending on applications
- Built-in 2 strings of MPPT solar charge controller
- Selectable input voltage range for home appliances and personal computers
- Configurable AC/Solar input priority via LCD setting
- Compatible to mains voltage or generator power
- Auto restart while AC is recovering
- Overload and short circuit protection
- Smart battery charger design for optimized battery performance
- Cold start function
- Maximum 3 units in parallel operation for single phase, split phase and three phase applications

Axpert MLV Off-Grid Inverter Specification

MODEL	Axpert MLV 6KW
Rated Power	6000VA/6000W
Parallel Capability	Yes, 3 units
INPUT	
Rated Input Voltage	110/120 VAC(L-N or L1-N-L2)
Input Voltage Range	95 ~ 140 VAC (For Personal Computers) 65 ~ 140 VAC (For Home Appliances)
Frequency Range	50 Hz/60 Hz (Auto sensing)
OUTPUT	
AC Voltage Regulation (Batt. Mode)	110/120 VAC(L-N or L1-N-L2)
Efficiency (Peak)	90%
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	60 VDC
SOLAR CHARGER & AC CHARGER	
Solar Charger type	MPPT
Maximum PV Array Open Circuit Voltage	145 VDC
Number of MPP Trackers	2
Maximum PV Array Power	4000 W x 2
MPP Range @ Operating Voltage	60 VDC ~ 115 VDC
Maximum Solar Charge Current	80 A x 2
Maximum AC Charge Current	60 A
Maximum Charge Current	220 A
Maximum MPPT Charging Efficiency	96 %
Maximum AC Charging Efficiency	92 %
PHYSICAL	
Dimension, D x W x H (mm)	130 x 622.6 x 610
Net Weight (kgs)	30
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