







Axpert MAX Off-Grid Inverter


OFF-GRID INVERTER

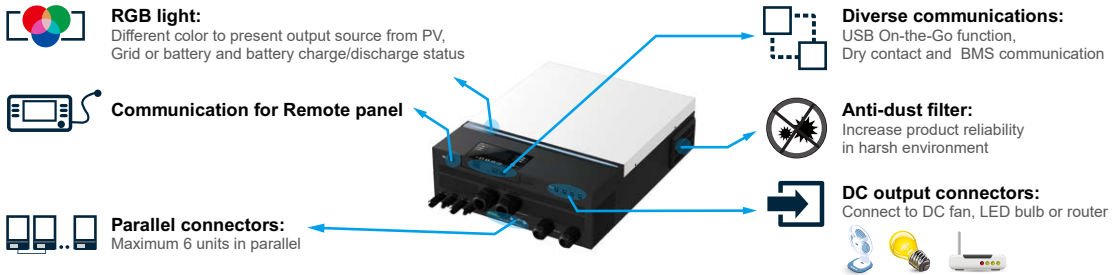


- Status indication with RGB lights
- Built-in Wi-Fi for mobile monitoring (Android/iOS App is available)
- Supports USB On-the-Go function
- Reserved communication port for BMS (RS485, CAN-BUS or RS232)
- Replaceable fan design for ease of maintenance
- Battery independent design
- Configurable AC/PV output usage timer and prioritization
- Selectable high power charging current
- Selectable input voltage range for home appliances and personal computers
- Compatible to Utility Mains or generator input
- Built-in anti-dust kit
- Optional DC output for DC fan, LED bulb, router and so on
- Parallel operation with 6 units

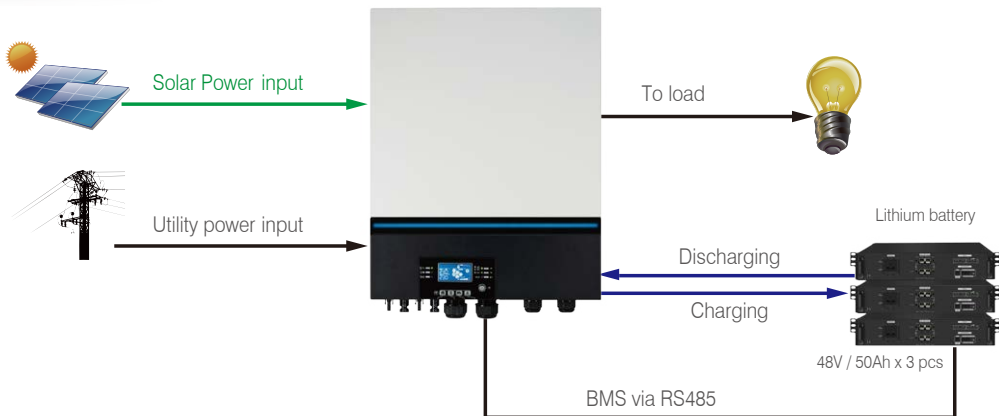









System Diagram:



Lithium-iron Battery Solution

Unit:min

Inverter Model	Rated Load (Watt)	Battery Model	Usable Capacity (Wh)	BAT x 1	BAT x 2	BAT x 3	BAT x 4	BAT x 5	BAT x 6	BAT x 7	BAT x 8
Axpert MAX 6500-48-120	3250	US2000	2200	N/A	73	109	146	182	219	255	292
	3250	LIO-4805	2400	39	79	119	159	199	239	279	319
	3250	LIO-4810	4800	79	159	239	319	398	478	558	638
	6500	US2000	2200	N/A	N/A	54	73	91	109	127	146
	6500	LIO-4805	2400	N/A	39	59	79	99	119	139	159
	6500	LIO-4810	4800	39	79	119	159	199	239	279	319

Axpert MAX Off-Grid Inverter Specification

MODEL	Axpert MAX-6500-48-120
Rated Power	6500VA/6500W
PARALLEL CAPABILITY	Yes, 6 units
INPUT	
Voltage	120 VAC
Selectable Voltage Range	90-140 VAC (For Computers) 80-140 VAC (For Home Appliances)
Frequency Range	50 Hz/60 Hz (Auto sensing)
OUTPUT	
AC Voltage Regulation (Batt. Mode)	120VAC \pm 5%
Surge Power	15000VA
Efficiency (Peak)	90% ~ 93%
Transfer Time	15 ms (For Personal Computers) ; 20 ms (For Home Appliances)
Waveform	Pure sine wave
No Load Power Consumption	<70W
Optional DC Voltage	12 VDC \pm 5%, 100W
BATTERY	
Battery Voltage	48 VDC
Floating Charge Voltage	54 VDC
Overcharge Protection	66 VDC
SOLAR CHARGER & AC CHARGER	
Solar Charger Type	MPPT
Maximum PV Array Power	8000W (4000W x 2)
MPPT Range @ Operating Voltage	90 ~ 230 VDC
Maximum PV Array Open Circuit Voltage	250 VDC
Maximum Solar Charge Current	120 A
Maximum AC Charge Current	120 A
Maximum Charge Current	120 A
PHYSICAL	
Dimension, D x W x H (mm)	147.4 x 432.5 x 553.6
Net Weight (kgs)	18.4
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
STANDARD	
Compliance Safety	UL

Product specifications are subject to change without further notice.