marvel® Tech

Axpert Ultra 8K-11K

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Features

- Dual output for smart load management
- Two independent AC power sources connected and switched automatically
- Maximum PV input current 27A
- Built-in 2.8" colored LCD with power lighting indicators
- Supports USB On-the-Go function
- Reserved communication port for BMS (RS485, CAN-BUS)
- 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
- Built-in anti-dust kit
- Parallel operation with 6 units
- Built-in current transformer sensor to meet self-consumption application
- Support external BTS (Battery Temperature Sensor) detection
- Support optional GFCI, Rapid shutdown, AFCI detections
- Built-in Wi-Fi for mobile monitoring and OTA firmware upgrade

MODEL	Axpert Ultra 8K	Axpert Ultra 11K
Rated Power	8000VA/8000W	11000VA/11000W
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 (OFF-GRID OPERATION)		
AC Voltage Regulation (Batt. Mode)	230VAC ± 5%	
Surge Power	16000VA	22000VA
Efficiency (Peak)	93%	
Transfer Time	10 ms (For Personal Computers) 20 ms (For Home Appliances)	
Waveform	Pure sine wave	
OUTPUT (GRID-TIE OPERATION)		
Nominal Output Voltage	230 VAC	
Output Voltage Range	195.5 - 253 VAC (Selectable)	
Output Frequency Range	49 Hz ~ 51 Hz	
BATTERY		
Battery Voltage	48 VDC	48 VDC
Floating Charge Voltage	54 VDC	54 VDC
Overcharge Protection	63 VDC	63 VDC
SOLAR CHARGER & AC CHARGER		
Solar Charger type		
Maximum PV Array Power	10000W (5000W x 2)	12000W (6000W x 2)
MPPT Range @ Operating Voltage	90 ~ 450 VDC	
Maximum PV Array Open Circuit Voltage	500 VDC	
Maximum PV Input Current	27A x 2(MAX 40A)	
Maximum Solar Charge Current	150A	
Maximum AC Charge Current	120A	
Maximum Charge Current	150A	
PHYSICAL		
Dimension, D X W X H (mm)	145 x 438 x 553.6	
Net Weight (kgs)	18.4	18.4
Communication Interface	"USB/RS232/RS485/WiFi/Dry-contact/BTS Support optional GFCI, Rapid shutdown, AFCI detection"	
External Current Sensor Port	Yes, built-in current transformer sensor	
OPERATING ENVIRONMENT		
Humidity	5% to 95% Relative Humidity(Non-condensing)	
Operating Temperature	-10℃ to 50℃	
Storage Temperature	-15℃ to 60℃	
STANDARD		
Compliance Safety	CE	

* Product specifications are subject to change without further notice

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