

# KEMMO Ultra Off-Grid Inverter


**2x2**  
IN OUT


- Dual outputs for smart load management
- Two independent AC power sources connected and switched automatically
- Built-in current transformer sensor to meet self-consumption application
- Support external BTS (Battery Temperature Sensor) detection
- Built-in power status lighting indicators
- Built-in 2.8" colored LCD with slide operation
- Built-in Wi-Fi for mobile monitoring and OTA firmware upgrade
- Supports USB On-the-Go function
- Reserved communication port for BMS (RS485, CAN-BUS or RS232)
- Support optional GFCI, Rapid shutdown, AFCI detections
- Parallel operation with 6 units

## KEMMO Ultra Off-Grid Inverter Selection Guide

MODEL	Axpert Ultra 8K		Axpert Ultra 11K	
RATED POWER	8000VA/8000W		11000VA/11000W	
PARALLEL CAPABILITY	YES, 6 units			
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	16000VA		22000VA	
Efficiency (Peak)	93%			
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	63 VDC			
SOLAR CHARGER & AC CHARGER				
Solar Charger Type	MPPT			
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)			
Maxmum Solar Charge Current	150A		150A	
Maximum AC Charge Current	120A		150A	
Maximum Charge Current	150A		150A	
PHYSICAL				
Dimension, D x W x H (mm)	145 x 438 x 553.6			
Net Weight (kgs)	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°C to 50°C			
Storage Temperature	-15°C to 60°C			
STANDARD				
Compliance Safety	CE			

Product specifications are subject to change without further notice.