



MD ULTRA 6.2KW

OFF GRID

PRODUCT ADVANTAGES

- Dual Output For Smart Load Management
- Color LCD With RGB Lights
- PV Input 500 VDC Max
- Detachable Dust Cover For Harsh Environment
- WIFI Remote Monitoring Optional

TECHNICAL SPECIFICATION

MODEL	MD ULTRA 6.2KW 48V
Rated Capacity	6200W
PV INPUT	
PV Maximum Input Power	6500W
MPPT Range Operating Voltage	60 – 500 VDC
Max. Solar Input Current	80 A
AC OUTPUT	
Nominal Voltage (AC Input)	230VAC
Voltage Range (AC Input)	170 – 280VAC (For The Personal Computer); 90 – 280VAC (For Home Appliances)
Frequency (AC Input)	50 / 60 Hz (Auto Adaptive)
AC OUTPUT	
Rated Capacity (AC Output)	6200 VA / 6200 W
Second Output Capacity	6200 VA / 6200 W
Surge Power	12400VA
Waveform	Pure Sine Wave
Nominal Voltage (AC Output)	220 / 230 VAC (-5% to + 5%)
Nominal Frequency	50 / 60 Hz
Transfer Time	10 ms (UPS mode) / 20 ms (Appliance Mode)
Peak Efficiency (PV to INV)	94.00%
Admissible Power Factor	+0.6~+1(Inductive or Capacitive)
CHARGER SPECIFICATION (SOLAR CHARGER & AC CHARGER)	
Charging Current	120 A
Max. AC Charge Current	80 A
Max. PV Charge Current	120 A
Max. Charge Current (PV+AC)	120 A
PHYSICAL	
Dimensions (D × W × H mm)	540 × 390 × 310
Net Weight (kg)	10.5
ENVIRONMENT	
Ingress Protection	IP21
Operating Temperature Range	-10 °C ~ 55 °C
Storage Temperature	-15 °C ~ 60 °C
Humidity	5% ~ 95% (Non-condensing)