

## Features:

- Output power factor 0.9
- Double conversion on line design
- Automatic battery management
- USB-RS232 connectors
- SNMP card/ dry contact card (optional)
- External battery connector
- **945 Joule surge protection- Exclusive**
- Wide input voltage (120 Vac – 300Vac) at 230vac
- Microprocessor control optimizes reliability
- Bypass
- Frequency converter mode
- ECO mode
- Generator compatible
- **3 year warranty for electronics and 2 years for battery**



## Specifications

MODEL		AON1000-2	AON2000-2	AON3000-2
PHASE		Single phase with ground		
CAPACITY		1000 VA / 900 W	2000 VA / 1800 W	3000 VA / 2700 W
INPUT				
Nominal Voltage		100/110/115/120/127VAC or 200/208/220/230/240VAC		
Voltage Range	Low Line Transfer	60 VAC / 70 VAC / 80 VAC / 90 VAC ± 5 % or 120 VAC / 140 VAC / 160 VAC / 180 VAC ± 5 % ( based on load percentage 0% - 60 % / 60 % - 70 % / 70 - 80 % / 80 % - 100%)		
	Low Line Comeback	70 VAC / 80 VAC / 90 VAC / 100 VAC ± 5 % or 135 VAC / 155 VAC / 175 VAC / 195 VAC ± 5 % ( based on load percentage 0% - 60 % / 60 % - 70 % / 70 - 80 % / 80 % - 100%)		
	High Line Transfer	140VAC / 150 VAC ± 5 % or 280 VAC / 300 VAC ± 5 % ( based on load percentage 0 - 80 % / 80 % - 100%)		
	High Line Comeback	135VAC / 140 VAC ± 5 % or 270VAC / 280 VAC ± 5 % ( based on load percentage 0 - 80 % / 80 % - 100%)		
Frequency Range		40Hz ~ 70 Hz		
Power Factor		≥ 0.99 @ Nominal Voltage (100% load)		
OUTPUT				
Output Voltage		100/110/115/120/127VAC or 200/208/220/230/240VAC		
Voltage Regulation		± 1%		
Frequency Range (Synchronized Range)		47~ 53 Hz or 57 ~ 63 Hz		
Frequency Range (Batt. Mode)		50 Hz or 60Hz ± 0.5%		
Current Crest Ratio		3:1		
Harmonic Distortion		≤ 3 % THD (Linear Load) ≤ 6 % THD (Non-linear Load)		
Transfer Time	AC to DC	Zero		
	Inverter to Bypass	4 ms (Typical)		
Waveform (Batt. Mode)		Pure Sinewave		
EFFICIENCY				
To AC Mode		88%	89%	90%
To Battery Mode		83%	85%	88%
BATTERY				
Standard Model	Battery Type	12 V / 9 AH	12 V / 9 AH	12 V / 9 AH
	Typical Recharge Time	4 hours recover to 90% capacity		
	Charging Current (max.)	1.0 A		
	Charging Voltage	27.4VDC ± 1%	54.7 VDC ±1%	82.1 VDC ±1%
INDICATORS				
LCD		Load level, Battery level, AC mode, Battery mode, Bypass mode, and Fault indicators		
ALARM				
Battery Mode		Sounding every 4 seconds		
Low Battery		Sounding every second		
Overload		Sounding twice every second		
Bypass		Sounding every 10 seconds		
Fault		Continuously sounding		
PHYSICAL				
Protection & Filtering		Surge protection / Overload protection / Short circuit		
Standard Model	Dimension, D x W x H (mm)	282 x 145 x 220	397 x 145 x 220	421 x 190 x 318
	Net Weight (kgs)	9.8	17	27.6
ENVIRONMENT				
Operating temperature		0~40°C:100% load 0~55°C: 30% load		
Humidity		20-90 % RH @ 0- 40°C (non-condensing)		
Noise Level		Less than 50dBA @ 1 Meter		
MANAGEMENT				
Optional SNMP		Power management from SNMP manager and web browser		
Smart RS-232/USB		Supports Windows 2000/2003/XP/Vista/2008/7/8/10, Linux, Unix, and MAC according software list		
Standard		CE, EN62040-1, EN62040-2		

\* Product specifications are subject to change without further notice