

Aten PRO 2000

The network sentinel

PN: PWUP-OL200AP-AZ01B

EAN: 6422956007720

Specifications

Capacity	2000 VA / 1800 W
Type	On line
Input	
Nominal Voltage	230 VAC
Accepted Voltage Range	120-300 VAC (Based on load at 50%) 180-280 VAC (Based on load at 100%)
Frequency Range	40Hz ~ 70 Hz
Power Factor	≥ 0.99 @ nominal voltage (100% load)
Output	
Output Voltage	200/208/220/230/240 VAC*
Voltage Regulation	±1%
Frequency Range (Synchronized Range)	57 ~ 63 Hz
Frequency Range (Battery Mode)	50 Hz or 60Hz ± 0.5 %
Waveform (Batt. Mode)	Pure Sinewave
Harmonic Distortion	3 % THD (Linear Load) 6 % THD (Non-linear Load)
Current Crest Ratio	3:1
Transfer Time	
AC Mode to Battery Mode	Zero
Inverter to Bypass	4 ms (Typical)
Efficiency	
To AC Mode	89 % at full charged battery
To Battery Mode	85 % at full charged battery
ECO Mode	94 % at full charged battery
Indicators type	
LCD Display	Load level, Battery level, AC mode, Battery mode, Bypass mode and Fault indicators
Alarm	
Battery Mode	Sounding every 4 seconds

* Derate to 80% of capacity in Frequency converter mode and to 80% when the output voltage is adjusted to 100/200/208VAC



Pure Sine
Wave Output



Zero
Transfer Time



ECO Mode
for energy saving

- True Double Conversion Technology
- Microprocessor control optimizes reliability
- Software Management
- Up to 90% Efficiency Rates
- Converter mode available
- Input power factor correction
- Output Power Factor 0.9
- LCD Display
- USB & RS232 Port Communication
- Smart SNMP card supported
- Tower topology
- Generator compatible

Low Battery	Sounding every second
Overload	Sounding twice every second
Fault	Continuously sounding
Protection	
Outlets type	3x Schuko Battery Backup & Surge Protection
Full protection	Overload, Overvoltage, Discharge & Overcharge protection Input spike protection Short circuit protection
Surge rating energy	760 Joules
Environment	
Humidity	20-90 % RH @ 0-40°C (non-condensing)
Noise level	Less than 50dB
Battery	
Battery Type & Number	4 x HR09122F (BTVACIUOCTD2FBT01B)
Battery Voltage	12V
Typical Recharge Time	4 hours up to 90% capacity
Charging Voltage	54.7 VDC ± 1%
Battery Compatibility	nJoy HR09122F
Running time on battery (minutes)	25% Load - 25 min 50% Load - 10 min 75% Load - 6 min 100% Load - 3 min



Management

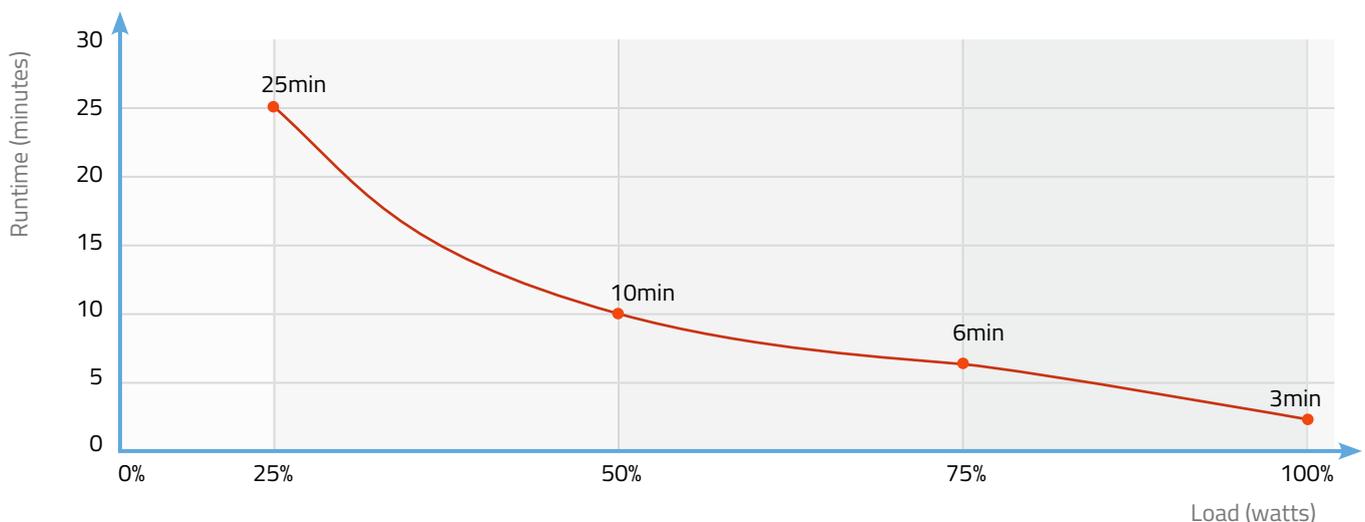
Connection port	RS232 / USB / Intelligent Port for installation of SNMP or Modbus (Protocol 01) Card
Software capability	Monitor & Control over USB, LAN and Internet (SNMP card optional)

Physical

Product dimensions	397 x 145 x 220 mm
Product weight	17 kg
Cable length	1.5 m
Retail pack dimensions	472 x 230 x 325 mm
Retail pack weight	18.1 kg



Running time on battery



Logistics

Carton Box Size (LxWxH)	472 x 230 x 325 mm
Pieces in the Carton Box	1 pcs / ctn
Net & Gross weight / CTN	N.W. / G.W.: 17 kg / 18.1 kg



Certificates

