

# Balder 1000

The absolute protector

PN: UPCMOP110HBAAZ01B  
EAN: 6422956011413

## Specifications

<b>Capacity</b>	1000 VA / 1000 W
<b>Type</b>	On-line
<b>Input</b>	
Nominal Voltage	230 VAC
Accepted Voltage Range	110-300 VAC $\pm$ 5% @ 50% load 160-300 VAC $\pm$ 5% @ 100% load
Nominal Frequency	50 Hz / 60 Hz (Auto Sensing)
Frequency Range	40Hz ~ 70 Hz
Power Factor	$\geq$ 0.99 at nominal voltage (100% load)
Harmonic Distortion	$\leq$ 5 % THD at nominal input voltage
Phase	Single phase with ground
<b>Output</b>	
Nominal Voltage	200*/208*/220/230/240 VAC
AC Voltage Regulation (Batt. Mode)	$\pm$ 1%
Frequency Range (Batt. Mode)	50 Hz $\pm$ 0.1 Hz
Frequency Range (Synchronized Range)	47 ~ 53 Hz
Current Crest Ratio	3:1 (max.)
Harmonic Distortion	$\leq$ 2 % THD (Linear Load) $\leq$ 4 % THD (Non-linear Load)
Waveform (Batt. Mode)	Pure Sinewave
<b>Transfer Time</b>	
AC Mode to Batt. Mode	Zero
Inverter to Bypass	Typical 4 ms
<b>Efficiency</b>	
AC Mode	$\geq$ 89 % at full charged battery
To Battery Mode	$\geq$ 88 % at full charged battery
ECO Mode	$\geq$ 95 % at full charged battery



True double  
conversion



Output Power  
Factor 1.0



Rack/Tower  
design

- Pure sine wave output
- True Double Conversion
- Auto-Restart while AC is recovering
- Cold start
- Internal bypass
- Hot swappable battery design
- External battery pack (optional)
- High efficiency up to 96%
- User-friendly and easy-shift LCD
- Generator compatible
- EPO function
- Software management
- Smart battery charger design to optimize battery performance

## Indicators type

LCD Display	UPS status, Load level, Battery level, Input/Output voltage, Discharge timer, and Fault conditions
Alarm	Load Capacity, Load & Battery level, AC mode, Battery mode, Bypass mode and Fault indicators etc.

## Protection

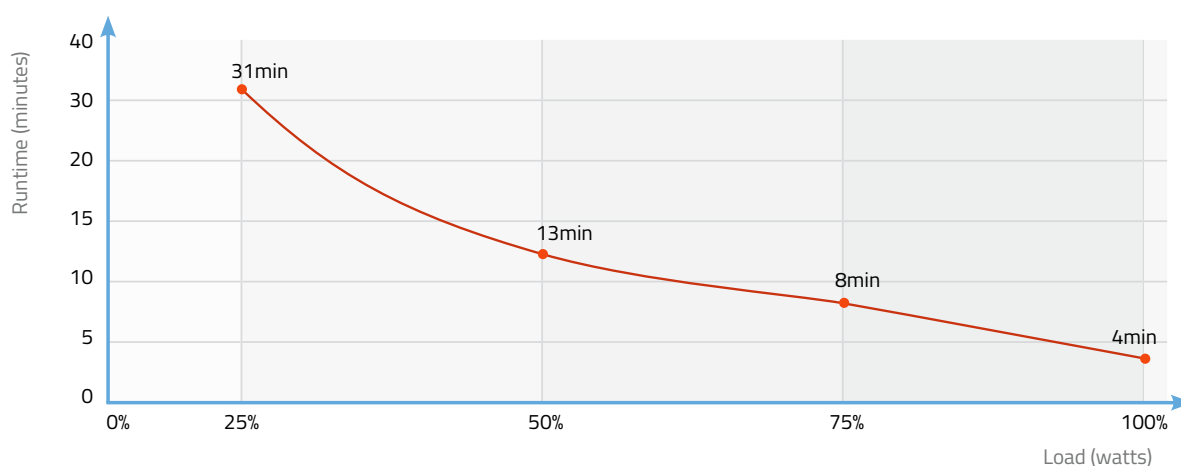
Full protection	Overload, Discharge & Overcharge protection, Input spike protection, Over-temperature
Surge rating energy	624 Joules
Outlets type	
Input/Output	2 x RJ11/45(IN/OUT) for modem/phone/LAN surge protection
Input	1 x IEC-320 C14
Output	8 x IEC C13 (4 x Programmable power management outlets)

## Battery

Battery Type & Number	3 x CSB HRL 1234W VRLA battery (included)
Function	Hot-swappable
Battery Compatibility	nJoy HR09122F
Charging Current (Max.)	Default: 2A, Max: 12A (adjustable)
Charging Voltage	41.1 VDC $\pm$ 1%
Typical Recharge Time	3 hours recover to 95% capacity for internal battery@ 2A charging current
Running time on battery (minutes)	25% Load - 31 min 50% Load - 13 min 75% Load - 8 min 100% Load - 4 min



## Running time on battery



## Logistics

Carton Box Size (LxWxH)	560 x 500 x 180 mm
Pieces in the Carton Box	1
Net & Gross weight / CTN	N.W.: 14.1 kg / G.W.: 16.1 kg



## Environment

Humidity	0-95 % RH @ 0-40°C (non-condensing)
Operating Temperature	0 - 40 °C
Storage temperature	-15 - 45 °C
Noise level	Less than 50dB

## Management

Connection port	RS232 / USB / Intelligent Port (not included in the package)
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## Software

UPS only	<a href="https://www.power-software-download.com/viewpower.html">https://www.power-software-download.com/viewpower.html</a>
UPS with SNMP card	<a href="https://www.power-software-download.com/viewpowerpro.html">https://www.power-software-download.com/viewpowerpro.html</a>
Software capability	Monitor & Control over USB, LAN and Internet (SNMP card optional)

## Physical

Product dimensions	410 x 438 x 88 mm (2U)
Product weight	14.1 kg



## Certificates

