

# Balder 2000

The absolute protector

PN: UPCMCOP120HBAAZ01B  
EAN: 6422956011420

## Specifications

<b>Capacity</b>	2000 VA / 2000 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

\*Derate capacity to 80% when the output voltage is adjusted to 200VAC/208VAC.

## 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 1 x IEC-320 C20

Output 8 x IEC C13  
(4 x Programmable power management outlets)

## Environment

Humidity 0-90 % RH @ 0-40°C (non-condensing)

Noise level Less than 50dB

## Battery

Battery Type & Number 6x CSB GP 1272

Battery Compatibility nJoy GP09122F

Charging Current (Max.) Default: 2A, Max: 8A (adjustable)

Charging Voltage 82.1 VDC ±1%

Typical Recharge Time 3 hours recover to 95% capacity for internal battery@ 2A charging current



Running time on battery (minutes)	25% Load - 32 min
	50% Load - 13 min
	75% Load - 8 min
	100% Load - 4 min

## Management

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

## Software

UPS only <https://www.power-software-download.com/viewpower.html>

UPS with SNMP card <https://www.power-software-download.com/viewpowerpro.html>

Software capability Monitor & Control over USB, LAN and Internet (SNMP card optional)

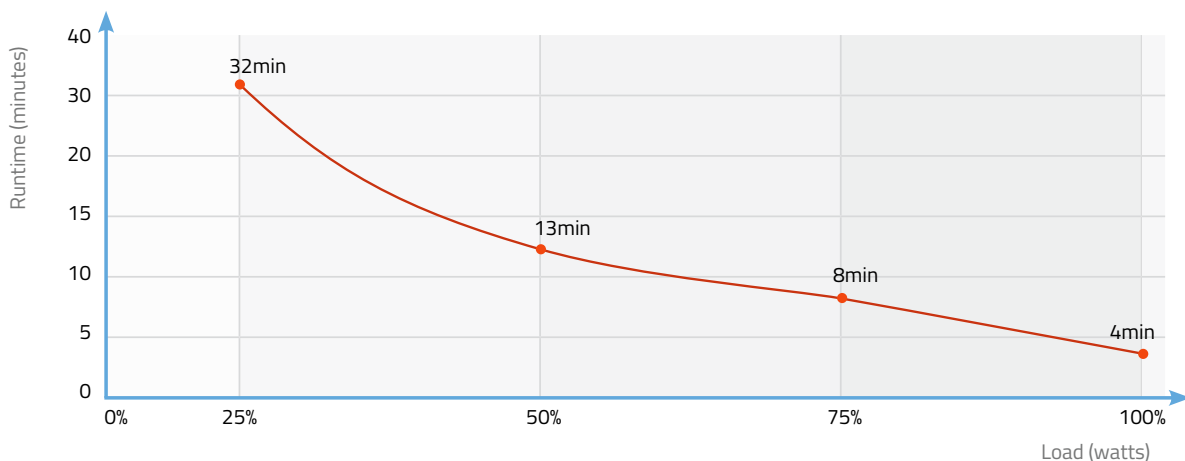
## Physical

Product dimensions 630 x 438 x 88 mm

Product weight 23.3 kg



## Running time on battery



## Logistics

Carton Box Size (LxWxH)	700 x 565 x 200 mm
Pieces in the Carton Box	1
Net & Gross weight / CTN	N.W.: 23.3 kg / G.W.: 25.5 kg



## Certificates

RoHS 2011/65/EU CE

