![nJoy logo] **nJoy**
passion. create. smile.

Balder 2000
The absolute protector

PN: UPCMCOP120HBAAZ01B
EAN: 6422956011420

📋 Specifications

Capacity	2000 VA / 2000 W
Type	On-line
Input	
Nominal Voltage	230 VAC
Accepted Voltage Range	110-300 VAC ± 5% @ 50% load 160-300 VAC ± 5% @ 100% load
Nominal Frequency	50 Hz / 60 Hz (Auto Sensing)
Frequency Range	40Hz ~ 70 Hz
Power Factor	≥ 0.99 at nominal voltage (100% load)
Harmonic Distortion	≤ 5 % THD at nominal input voltage
Phase	Single phase with ground
Output	
Nominal Voltage	200*/208*/220/230/240 VAC
AC Voltage Regulation (Batt. Mode)	± 1%
Frequency Range (Batt. Mode)	50 Hz ± 0.1 Hz
Frequency Range (Synchronized Range)	47 ~ 53 Hz
Current Crest Ratio	3:1 (max.)
Harmonic Distortion	≤ 2 % THD (Linear Load) ≤ 4 % THD (Non-linear Load)
Waveform (Batt. Mode)	Pure Sinewave
Transfer Time	
AC Mode to Batt. Mode	Zero
Inverter to Bypass	Typical 4 ms
Efficiency	
AC Mode	≥ 89 % at full charged battery
To Battery Mode	≥ 88 % at full charged battery
ECO Mode	≥ 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.

142.44.23.0

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 C20
Output	8 x IEC C13 (4 x Programmable power management outlets)

Battery

Battery Type & Number	6x HR07122H battery (included) (BTVACGUBBTE2HAZ01B)
Function	Hot-swappable
Battery Compatibility	nJoy HR07122H
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

Environement

Humidity	0-95 % RH @ 0-40°C (non-condensing)
Noise level	Less than 50dB

Management

Communication port	HID USB / LAN
Connection port	RS232 / USB / Intelligent Port for installation of SNMP or Modbus (Protocol 01) Card

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 (2U)
Product weight	23.3 kg

Running time on battery
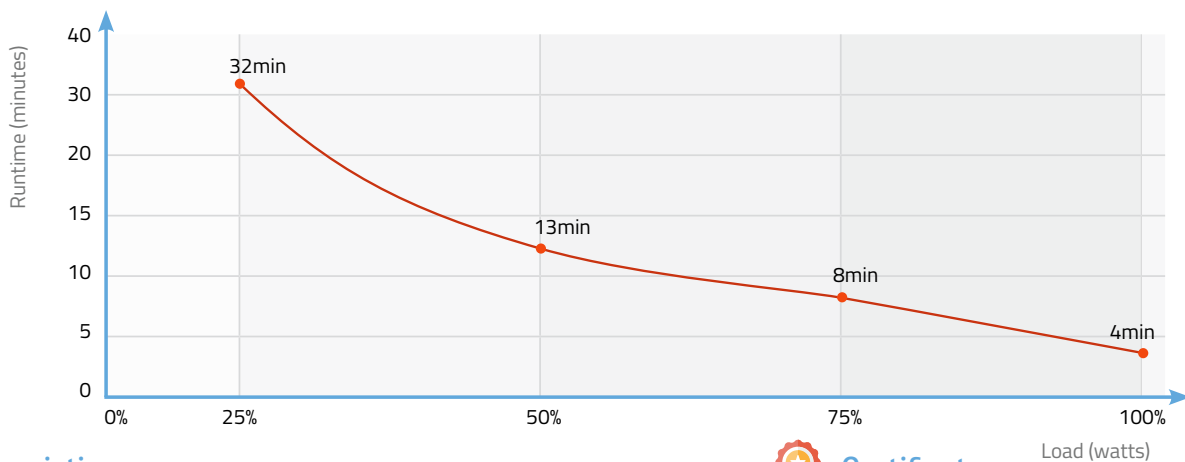
Logistics

	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 2011/6S/EU   CE