

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 \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
Output	
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
Transfer Time	
AC Mode to Batt. Mode	Zero
Inverter to Bypass	Typical 4 ms
Efficiency	
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 1 x IEC-320 C20

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

Battery

Battery Type & Number 6x CSB GP 1272 VRLA battery (included)

Function Hot-swappable

Battery Compatibility nJoy GP09122F

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

Charging Voltage 82.1 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 - 32 min
50% Load - 13 min
75% Load - 8 min
100% Load - 4 min



Environment

Humidity 0-95 % RH @ 0-40°C (non-condensing)

Noise level Less than 50dB

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)

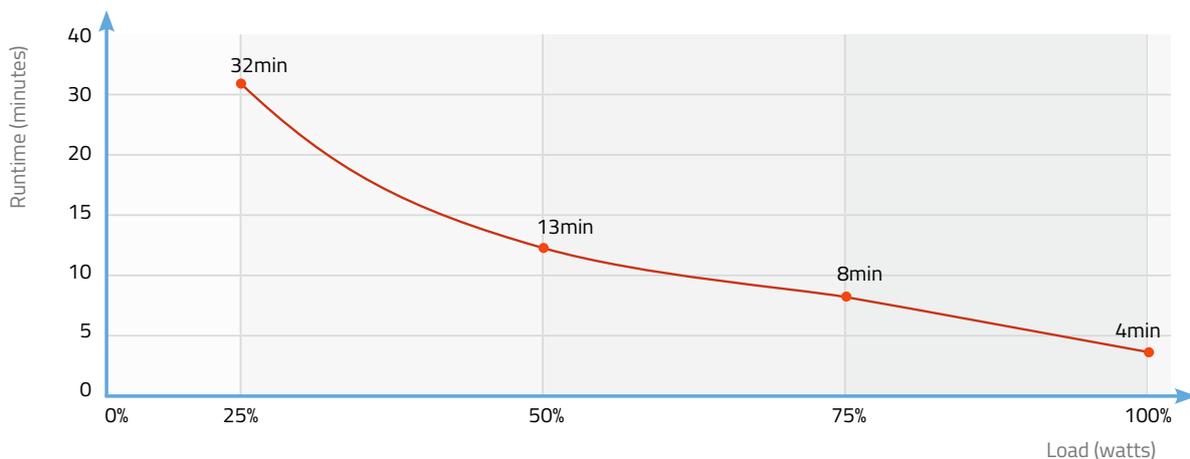
Physical

Product dimensions 630 x 438 x 88 mm (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

