

# Balder 10000

The absolute protector

PN: PWUP-OL10KBA-AZ01B

EAN: 6422956006297

## Specifications

<b>Capacity</b>	10000 VA / 10000 W
<b>Type</b>	On-line
<b>Input</b>	
Outlets type	Terminal Block Wiring
Nominal Voltage	230V
Accepted Voltage Range	110 ~ 300 VAC at 0~60% Load 140 ~ 300 VAC at 60~80% Load 176 ~ 300 VAC at 80~100% Load
Nominal Frequency	50 Hz / 60 Hz (Auto Sensing)
Frequency Range	46 ~ 54 Hz
Power Factor	≥ 0.99 at nominal voltage (100% load)
Total Harmonic Distortion (THDi)	<4% @100% Load <6% @50% Load
Phase	Single phase with ground
<b>Output</b>	
Outlets type	Terminal Block Wiring
Nominal Voltage	208*/220/230/240 VAC
AC Voltage Regulation	± 1% (Batt. Mode)
Frequency Range** (Synchronized Range)	46~54 Hz at 50 Hz
Frequency Range (Batt. Mode)	50 Hz ± 0.1 Hz
Current Crest Ratio	3:1 (max.)
Total Harmonic Distortion (THDi)	≤ 1 % THD (Linear Load) ≤ 4 % THD (Non-linear Load)
Waveform (Batt. Mode)	Pure Sinewave
<b>Transfer Time</b>	
AC Mode to Batt. Mode	Zero
Inverter to Bypass	Zero
<b>Efficiency</b>	
AC Mode	≥ 94 % at full charged battery
To Battery Mode	≥ 91 % at full charged battery
ECO Mode	≥ 96 % at full charged battery



True double conversion



Single phase high capacity



Rack/Tower design

- True Double Conversion
- Output Power Factor 1.0
- Output voltage regulation < 1%
- High efficiency up to 94%
- Wide input voltage range (110-300 VAC)
- Higher output crest ratio 3:1
- EPO function
- DSP technology guarantees high performance
- Up to 4 External battery pack
- User-friendly and easy-shift LCD
- Software management

\*When output voltage is set to 208V, the power of the UPS is de-rated to 90%.

\*\* Derate capacity to 60% in CVCF mode

## Protection

Surge rating energy 600 Joules

## Overload

AC Mode 100%~110%: 10min; 110%~130%: 1min; >130% : 1sec

Battery Mode 100%~110%: 30sec; 110%~130%: 10sec; >130% : 1sec

## Indicators type

LCD Display UPS status, Load level, Battery level, Input/Output voltage, Discharge timer, and Fault conditions

LED indicators Bypass, Line, Battery, Fault

Alarm Battery mode, Low battery, Overload, Fault

## Battery

Internal batteries Not supported

External batteries 12V lead acid, N pcs x 1 string / cabinet, N=16~20

Compatible battery cabinets Balder 2U Battery pack & Balder 3U battery pack

Charging Current 1.0 - 4.0 A (adjustable)

Charging Voltage 13.65VDC\*N; N=16~20 (adjustable, based on battery number per string)

Default Charging Voltage N=20 (273VDC)

## Running time on battery\*

With one 3U Battery Pack (20 x GP09122F batteries, BTVACIUOCTA2FCN01B) 5 min for ~ 5.800W load  
10 min for ~ 4.200W load  
15 min for ~ 3.100W load



## Management

Connection port RS232 / USB / Intelligent Port

## 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)

## Environment

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




Noise level Less than 55dB @ 1 Meter

## Physical

Product dimensions 600 x 438 x 88 [2U]

Product weight 17 kg (without batteries)

## Logistics

	Carton Box Size (LxWxH)	700 x 565 x 240 mm
	Pieces in the Carton Box	1 pcs / ctn
	Net & Gross weight / CTN	N.W.: 17 kg / G.W.: 21 kg

## Certificates

**RoHS**   
2011/65/EU

\*This data is based on njoy GP batteries that are new and fully charged. Actual runtimes may vary from this values because they are dependent on several variables including battery type,

