

Balder 10000

The absolute protector

PN: PWUP-OL10KBA-AZ01B
EAN: 6422956006297

Specifications

Capacity	10000 VA / 10000 W
Type	On-line
Input	
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
Output	
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
Transfer Time	
AC Mode to Batt. Mode	Zero
Inverter to Bypass	Zero
Efficiency	
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

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
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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	20 kg

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.: 20 kg / G.W.: 22 kg

Certificates

