

Balder 6000

The absolute protector

PN: PWUP-OL06KBA-AZ01B
EAN: 6422956006341



Specifications

Capacity	6000 VA / 6000 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)
Harmonic Distortion	<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.)
Harmonic Distortion	≤ 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

Protection

Surge rating energy	600 Joules
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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=16 (218VDC)

Running time on battery*

With one 2U Battery Pack (16 x HR09122F batteries, BTVACIUOCTD2FBT01B)	25% Load - 42 min 50% Load - 17 min 75% Load - 9 min 100% Load - 5 min
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Management

Connection port	RS232 / USB / Intelligent Port
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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

Protection class	IP20
Humidity	0-95 % RH @ 0-40°C (non-condensing)
Operating Temperature	0 - 40 °C
Storage temperature	-15 - 45 °C
Noise level	Less than 55dB @ 1 Meter

Physical

Product dimensions	600 x 438 x 88 [2U]
Product weight	14.5 kg (without batteries)

Logistics

 Carton Box Size (LxWxH)	600 x 438 x 88 mm
 Pieces in the Carton Box	1 pcs / ctn
 Net & Gross weight / CTN	N.W.: 14.5 kg / G.W.: 17 kg



Certificates



*This data is based on njoy HR batteries that are new and fully charged. Actual runtimes may vary from this values because they are dependent on several variables including battery type, model, age, battery charge level, environmental conditions and characteristics of the connected load.

