

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

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 GPO7122F batteries, BTVACGUOBT2FCN01B) 5 min for ~ 3.500W load
10 min for ~ 2.500W load
15 min for ~ 1.900W 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)

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

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, model, age, battery charge level, environmental conditions and characteristics of the connected load.

