

Voltronic Otima II

The Otima II UPS by Voltronic Power is engineered to provide exceptional power protection with its versatile voltage options ranging from 110 to 240 VAC. Designed for both home and office environments, it ensures reliable performance with precise voltage regulation and auto-sensing frequency capabilities.

Models Covered: Otima II 800, Otima II 1.1K (L), Otima II 1.5K, Otima II 2K (L), Otima II 2.5K, Otima II 3K (L), Otima II 3K, Otima II 5K

Manufacturer: Voltronic Power Technology Corp.

Application: Ideal for safeguarding sensitive electronics, the Otima II UPS is perfect for use in home offices, small businesses, and IT equipment, ensuring uninterrupted power supply and protection against voltage fluctuations.

LINE INTERACTIVE UPS

PURE SINE WAVE

OUTPUT POWER FACTOR 0.9

Technical Specifications

Technical Specifications						
Parameter	Otima II 800	Otima II 1.1K (L)	Otima II 1.5K	Otima II 2K (L)	Otima II 2.5K	Otima II 3K
Input						
Voltage	110/115/120/127 VAC or 208/220/230/240 VAC	110/115/120/127 VAC or 208/220/230/240 VAC	110/115/120/127 VAC or 208/220/230/240 VAC	110/115/120/127 VAC or 208/220/230/240 VAC	110/115/120/127 VAC or 208/220/230/240 VAC	110/115/120/127 VAC or 208/220/230/240 VAC
Acceptable Voltage Range	81-152 VAC or 162-290 VAC	81-152 VAC or 162-290 VAC	81-152 VAC or 162-290 VAC	81-152 VAC or 162-290 VAC	81-152 VAC or 162-290 VAC	81-152 VAC or 162-290 VAC
Frequency Range	60/50 Hz (Auto sensing)					
Output						
Output Voltage	110/115/120/127 VAC or 208/220/230/240 VAC	110/115/120/127 VAC or 208/220/230/240 VAC	110/115/120/127 VAC or 208/220/230/240 VAC	110/115/120/127 VAC or 208/220/230/240 VAC	110/115/120/127 VAC or 208/220/230/240 VAC	110/115/120/127 VAC or 208/220/230/240 VAC
Voltage Regulation (Batt. Mode)	±1.5 % (Before battery alarm)					
Frequency Range (Batt. Mode)	50 Hz or 60 Hz ± 1 Hz					
Current Crest Ratio	3:1					
Harmonic Distortion	2% max @ 100% linear load, 5% max @ 100% non-linear load (before low battery alarm)					
Transfer Time	Typical 2-6 ms, 10ms max.					
Waveform (Batt. Mode)	Pure Sinewave					
Efficiency						
ECO Mode	97%					
Buck & Boost Mode	95%					

Parameter	Otima II 800	Otima II 1.1K (L)	Otima II 1.5K	Otima II 2K (L)	Otima II 2.5K	Otima II 3K (L)
Battery Mode	≥ 88%, up to 90% @ nominal battery voltage	≥ 89%, up to 91% @ nominal battery voltage for 110/115/120/127 VAC	≥ 91%, up to 92% @ nominal battery voltage for 208/220/230/240 VAC			
Battery						
Type & Number	12 V/7 Ah x 2	12 V/9 Ah x 2	12 V/7 Ah x 4	12 V/9 Ah x 4	12 V/7 Ah x 6	12 V/9 Ah x 4
Charging Current (max.)	1.5 A					
Charging Voltage	27.4 VDC ± 1%	54.8 VDC ± 1%	82.1 VDC ± 1%			
Typical Recharge Time	4 hours recover to 90% capacity					
Protection Features						
Full Protection	Overload, discharge, and overcharge protection					
Indicators						
LCD Display	AC Mode, Battery Mode, Load Level, Battery Level, Input Voltage, Output Voltage, Overload, Fault and Low Battery					
Alarm						
Battery Mode	Sounding every 10 seconds					
Low Battery	Sounding every 2 seconds					
Overload	Sounding every second					
Fault	Continuously sounding					
Physical						
Standard Dimension, DxWxH (mm)	410 x 438 x 88	510 x 438 x 88	630 x 438 x 88	397 x 145 x 220	455 x 145 x 220	421 x 145 x 220
Net Weight (kgs)	12.9	13.4	19.5	21.5	27.7	29.3

Parameter	Otima II 800	Otima II 1.1K (L)	Otima II 1.5K	Otima II 2K (L)	Otima II 2.5K	Otima II 3K (L)
Operating Conditions						
Humidity	0-90 % RH @ 0- 40°C (Non-condensing)					
Noise Level	Less than 45dB					
Altitude	0-3000m, 10% de-rating for over 1000m					
Communication						
Smart RS-232/USB	Supports Windows® 2000/2003/XP/Vista/2008, Windows® 7/8/10, Linux and MAC					
Optional SNMP	Power management from SNMP manager and web browser					

Note: Specifications are based on the official Voltronic Power datasheet. Values may be subject to change; always verify against the latest manufacturer documentation.

Key Features

- Pure sine wave
- User-friendly and easy-shift LCD display
- High flexibility with Rack/Tower design
- Output power factor 0.9
- Programmable power management outlets
- ECO (Efficiency Corrective Optimizer) operation for energy saving
- Boost and Buck AVR for voltage stabilization
- Hot-swappable battery design

Applications & Use Cases

Typical Applications

- Data centers
- Hospitals and medical facilities
- Banks and financial institutions
- Telecommunications
- Factories and industrial facilities

Frequently Asked Questions

▼ What are the main performance specifications of the Otima II UPS?

The Otima II UPS offers high efficiency with an ECO mode at 97% and a battery mode efficiency of up to 90% at nominal battery voltage. It supports a wide voltage range of 110/115/120/127 VAC or 208/220/230/240 VAC and maintains a voltage regulation of $\pm 1.5\%$ in battery mode.

► Is the Otima II UPS compatible with different battery types or solar panels?

► What are the physical specifications of the Otima II UPS?

► What are the installation requirements for the Otima II UPS?

► What warranty does Voltronic Power offer for the Otima II UPS?

► What certifications and standards does the Otima II UPS comply with?

► What are the operating conditions for the Otima II UPS?

► What are the key features and benefits of the Otima II UPS?

Availability & grid compliance in UAE

Market	UAE
Grid authority / regulator	DEWA, ADDC, SEWA
Quotation currency	AED
Support hours timezone	Asia/Dubai
Delivery & installation coverage	Dubai, Abu Dhabi, Sharjah, Ajman, Ras Al Khaimah

Figures on this page are the manufacturer's own, measured at the test conditions the datasheet states — they do not change by country. What changes is the approval that has to be met before the unit is energised: in UAE that is DEWA, ADDC, SEWA. Confirm the grid code, import requirements and any local certification with them, or with us, before you order.

Official Source & Documentation

This technical datasheet is derived from official manufacturer documentation provided by **Voltronic Power Technology Corp.**. For the latest specifications and updates, visit the manufacturer's website.

- **Manufacturer Website:** voltronicpower.com
- **Technical Support:** support@voltronicpower.com
- **Sales Inquiries:** sales@voltronicpower.org
- **Data Source:** Official Datasheet - Voltronic Power Technology Corp.

Disclaimer: All specifications are based on the official datasheet. Specifications are subject to change without notice. Please verify with the manufacturer for the most current information.