

# Otima II



- 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
- Multiple communications available
- Optional HID Power Device USB Port

## Otima II Line Interactive sine wave UPS Selection Guide

| MODEL                           | Otima II 800                                                                                                     | Otima II 1.1K (L)               | Otima II 1.5K  | Otima II 2K (L) | Otima II 2.5K  | Otima II 3K (L)                                                                  |
|---------------------------------|------------------------------------------------------------------------------------------------------------------|---------------------------------|----------------|-----------------|----------------|----------------------------------------------------------------------------------|
| CAPACITY                        | 800VA / 720W                                                                                                     | 1100VA / 990W                   | 1500VA / 1350W | 2000VA / 1800W  | 2500VA / 2250W | 3000VA / 2700W                                                                   |
| INPUT                           |                                                                                                                  |                                 |                |                 |                |                                                                                  |
| Voltage                         | 110/115/120/127 VAC or 208/220/230/240 VAC                                                                       |                                 |                |                 |                |                                                                                  |
| Acceptable Voltage Range        | 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                                                                       |                                 |                |                 |                |                                                                                  |
| 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%                                                                                                              |                                 |                |                 |                |                                                                                  |
| Battery Mode                    | Up to 90%                                                                                                        |                                 | Up to 91%      |                 | Up to 92%      |                                                                                  |
| BATTERY                         |                                                                                                                  |                                 |                |                 |                |                                                                                  |
| Standard Model                  | 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                                                                    |
|                                 | 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 |                |                 |                |                                                                                  |
| Long-run Model                  | Charging Current (max.)                                                                                          | N/A                             | 1A/2A/4A/6A/8A | 1A/2A/4A/6A/8A  | N/A            | 1A/2A/4A/6A/8A                                                                   |
|                                 | Charging Voltage                                                                                                 |                                 | 27.4 VDC ± 1%  | N/A             |                | 54.8 VDC ± 1%                                                                    |
| PROTECTION                      |                                                                                                                  |                                 |                |                 |                |                                                                                  |
| 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 Model                  | Dimension,DxWxH(mm)                                                                                              | 410 x 438 x 88                  |                | 510 x 438 x 88  |                | 630 x 438 x 88                                                                   |
|                                 | Net Weight (kgs)                                                                                                 | 12.9                            | 13.4           | 19.5            | 21.5           | 27.7                                                                             |
| Long-run Model                  | Dimension,DxWxH(mm)                                                                                              | N/A                             | 410 x 438 x 88 | N/A             | 410 x 438 x 88 | 110/115/120/127 VAC:<br>510 x 438 x 88<br>208/220/230/240 VAC:<br>410 x 438 x 88 |
|                                 | Net Weight (kgs)                                                                                                 |                                 | 9              |                 | 10.8           | 110/115/120/127 VAC: 13.9<br>208/220/230/240 VAC: 11.9                           |
| ENVIRONMENT                     |                                                                                                                  |                                 |                |                 |                |                                                                                  |
| Humidity                        | 0-90 % RH @ 0- 40°C (Non-condensing)                                                                             |                                 |                |                 |                |                                                                                  |
| Noise Level                     | Less than 45dB                                                                                                   |                                 |                |                 |                |                                                                                  |
| Altitude                        | 0~3000m, 10% de-rating for over 1000m                                                                            |                                 |                |                 |                |                                                                                  |
| MANAGEMENT                      |                                                                                                                  |                                 |                |                 |                |                                                                                  |
| 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                                                               |                                 |                |                 |                |                                                                                  |

\*Derate capacity to 80% of capacity when the output voltage is adjusted to 208VAC.  
Product specifications are subject to change without further notice.

# Otima II



Otima II T 2.5/3K/5K

Otima II T 1.5/2K

Otima II T 800/1.1K

- Pure sine wave
- Output power factor 0.9
- Programmable power management outlets
- ECO (Efficiency Corrective Optimizer) operation for energy saving
- Very high efficiency in battery mode
- Boost and Buck AVR for voltage stabilization
- Multiple communications available
- 3-stage smart battery charging control
- Optional HID Power Device USB Port

## Otima II Line Interactive sine wave UPS Selection Guide

| MODEL                           | Otima II T 800                                                                                                   | Otima II T 1.1K | Otima II T 1.5K | Otima II T 2K  | Otima II T 2.5K                                                                                                                          | Otima II T 3K  | Otima II T 5K                              |
|---------------------------------|------------------------------------------------------------------------------------------------------------------|-----------------|-----------------|----------------|------------------------------------------------------------------------------------------------------------------------------------------|----------------|--------------------------------------------|
| CAPACITY                        | 800VA / 720W                                                                                                     | 1100VA / 990W   | 1500VA / 1350W  | 2000VA / 1800W | 2500VA / 2250W                                                                                                                           | 3000VA / 2700W | 5000VA / 4500W                             |
| INPUT                           |                                                                                                                  |                 |                 |                |                                                                                                                                          |                |                                            |
| Voltage                         | 110/115/120/127 VAC or 208/220/230/240 VAC                                                                       |                 |                 |                |                                                                                                                                          |                | 208/220/230/240VAC                         |
| Acceptable Voltage Range        | 81-152 VAC or 162-290 VAC                                                                                        |                 |                 |                |                                                                                                                                          |                | 162-290 VAC                                |
| Frequency Range                 | 60/50 Hz (Auto sensing)                                                                                          |                 |                 |                |                                                                                                                                          |                |                                            |
| OUTPUT                          |                                                                                                                  |                 |                 |                |                                                                                                                                          |                |                                            |
| Output Voltage                  | 110/115/120/127 VAC or 208/220/230/240 VAC                                                                       |                 |                 |                |                                                                                                                                          |                | 208/220/230/240VAC                         |
| 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%                                                                                                              |                 |                 |                |                                                                                                                                          |                |                                            |
| Battery Mode                    | ≥ 88%, up to 90% @ nominal battery voltage                                                                       |                 |                 |                | ≥ 89%, up to 91% @ nominal battery voltage for 110/115/120/127 VAC<br>≥ 91%, up to 92% @ nominal battery voltage for 208/220/230/240 VAC |                | ≥ 91%, up to 92% @ nominal battery voltage |
| 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 6  | 12 V/10 Ah x 6                             |
| 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                      |                                                                                                                  |                 |                 |                |                                                                                                                                          |                |                                            |
| 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                        |                                                                                                                  |                 |                 |                |                                                                                                                                          |                |                                            |
| Dimension,DxWxH(mm)             | 397 x 145 x 220                                                                                                  |                 | 455 x 145 x 220 |                | 421 x 190 x 318                                                                                                                          |                |                                            |
| Net Weight (kgs)                | 11.7                                                                                                             | 12.1            | 17.2            | 19.7           | 26.6                                                                                                                                     | 29             | 34.5                                       |
| ENVIRONMENT                     |                                                                                                                  |                 |                 |                |                                                                                                                                          |                |                                            |
| Humidity                        | 0-90 % RH @ 0- 40°C (Non-condensing)                                                                             |                 |                 |                |                                                                                                                                          |                |                                            |
| Noise Level                     | Less than 45dB                                                                                                   |                 |                 |                |                                                                                                                                          |                |                                            |
| Altitude                        | 0~3000m, 10% de-rating for over 1000m                                                                            |                 |                 |                |                                                                                                                                          |                |                                            |
| MANAGEMENT                      |                                                                                                                  |                 |                 |                |                                                                                                                                          |                |                                            |
| 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                                                               |                 |                 |                |                                                                                                                                          |                |                                            |

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