

Online UPS

6 kVA ~ 10 kVA  
PF 1.0



Features

- High frequency on-line double conversion technology
- Advanced DSP and 3-level technology
- Output power factor 1.0
- Active power factor correction (APFC), input power factor up to 0.99
- High efficiency 95% (up to 98% in ECO mode)
- Advanced digital parallel technology
- Wide input voltage range (110 ~ 288 Vac) and frequency range (40 ~ 70 Hz)
- 50 / 60 Hz frequency auto sensing
- Two modes of frequency conversion: 50 Hz input / 60 Hz output or 60 Hz input / 50 Hz output
- Dual-input design, supporting independent bypass
- Flexible battery configuration (settable 16 - 20 pcs batteries)
- Digitally controlled charger
- High charging current available (Max. 12 A)
- Charging voltage and current configured by demands
- Linear derating in low voltage input reducing battery discharging times, extending the service life of battery
- Intelligent battery management, automatic floating / equalizing charge control, charger dormancy control, increasing battery life by 50%

Rear Panel

1. RS232
2. EPO
3. Parallel Port (optional)
4. USB (optional)
5. Temperature Detection (optional)
6. Intelligent Slot
7. Reserved: for manual bypass or battery breaker or outlets etc.
8. Fans
9. Bypass Breaker
10. Input Breaker
11. GND
12. Terminals and Cover

- Ability to switch on the UPS with batteries
- Settable delayed start time when mains power is restored, reducing the impact on power grid or generator
- Fan speed varies intelligently with temperature, reducing noise and extending its service life
- Equipped with self-aging function
- Compact internal layout, miniaturized the complete unit for small footprint
- LCD+LED display, multi-functional keys operation, friendly human-machine interface
- Powerful background software for parameters configuration
- Advanced multi-platform communications: RS232, USB, RS485, SNMP and dry contacts communication interfaces
- Effective software and hardware protection function, robust self-diagnostic function, and abundant event logs for check

Available Options

- RS232 and smart card slot included
- Optional parallel function, battery temperature compensation, SNMP card, USB, RS485 card, dry contacts, EMD, and SMS alarms



OL-6000 EXT



OL-10000 EXT

Specifications

| MODEL                                   | OL-6000 VA                                                                                               |  | OL-10000 VA                              |  |
|-----------------------------------------|----------------------------------------------------------------------------------------------------------|--|------------------------------------------|--|
| Capacity                                | 6 kVA / 6 kW                                                                                             |  | 10 kVA / 10 kW                           |  |
| INPUT                                   |                                                                                                          |  |                                          |  |
| Input wiring                            | Single-phase three-wire (1Φ + N + PE)                                                                    |  |                                          |  |
| Rated voltage                           | 208 / 220 / 230 / 240 Vac                                                                                |  |                                          |  |
| Voltage range                           | 110 ~ 176 Vac (linear derating between 50% and 100% load);<br>176 ~ 288 Vac (no derating)                |  |                                          |  |
| Rated frequency                         | 50 / 60 Hz (auto-sensing)                                                                                |  |                                          |  |
| Frequency range                         | 40 ~ 70 Hz                                                                                               |  |                                          |  |
| Power factor                            | ≥ 0.99                                                                                                   |  |                                          |  |
| Bypass voltage range                    | - 40% ~ +15% (settable)                                                                                  |  |                                          |  |
| Total harmonic distortion (THDi)        | ≤ 5%                                                                                                     |  |                                          |  |
| OUTPUT                                  |                                                                                                          |  |                                          |  |
| Output wiring                           | Single-phase three-wire (1Φ + N + PE)                                                                    |  |                                          |  |
| Rated voltage                           | 208 (PF=0.9) / 220 / 230 / 240 Vac                                                                       |  |                                          |  |
| Voltage regulation                      | ± 1%                                                                                                     |  |                                          |  |
| Frequency                               | Synchronized to bypass in mains mode; 50 / 60 Hz±0.1% Hz in battery mode                                 |  |                                          |  |
| Waveform                                | Sinusoidal                                                                                               |  |                                          |  |
| Power factor                            | 1                                                                                                        |  |                                          |  |
| Total harmonic distortion (THDv)        | ≤ 1% (linear load); ≤ 4% (non-linear load)                                                               |  |                                          |  |
| Crest factor                            | 3:1                                                                                                      |  |                                          |  |
| Overload                                | 105% ~ 110% for 10 min, 110% ~ 125% for 1 min, 126% ~ 150% for 30 s                                      |  |                                          |  |
| BATTERIES                               |                                                                                                          |  |                                          |  |
| DC voltage                              | 192 Vdc (192 ~ 240 Vdc settable)                                                                         |  |                                          |  |
| Number of battery                       | 16 pcs (16 ~ 20 settable)                                                                                |  |                                          |  |
| Inbuilt battery (standard model)        | 12 V / 7 Ah × 16                                                                                         |  | 12 V / 9 Ah×16                           |  |
| Charging current                        | Standard model: 1 A; Long time model: 5 A (default) , 1 ~ 5 A settable, 12 A (optional)                  |  |                                          |  |
| Recharge time                           | Standard model: 90% capacity restored in 8 hours;<br>Long time model: depend on the capacity of battery  |  |                                          |  |
| SYSTEM                                  |                                                                                                          |  |                                          |  |
| Efficiency                              | ≥ 94% at 100% load, max. 95% at 60% load, ≥ 98% in ECO mode                                              |  |                                          |  |
| Transfer time                           | 0 ms                                                                                                     |  |                                          |  |
| Protections                             | Short-circuit, overload, overtemperature, battery low voltage, overvoltage, undervoltage and fan failure |  |                                          |  |
| Max. number of parallel connections     | 4                                                                                                        |  |                                          |  |
| Communications                          | RS232 (standard), USB / RS485 / dry contacts / SNMP<br>/ battery temperature compensation (optional)     |  |                                          |  |
| Display                                 | LCD + LED                                                                                                |  |                                          |  |
| OTHERS                                  |                                                                                                          |  |                                          |  |
| Operating temperature                   | 0°C ~ 40°C                                                                                               |  |                                          |  |
| Storage temperature                     | -25°C ~ 55°C (without battery)                                                                           |  |                                          |  |
| Relative humidity                       | 0 ~ 95% (non-condensing)                                                                                 |  |                                          |  |
| Altitude                                | ≤ 1000 m, derating 1% for each additional 100 m                                                          |  |                                          |  |
| IP rating                               | IP 20                                                                                                    |  |                                          |  |
| Noise level at 1 m                      | ≤ 55 dB                                                                                                  |  | ≤ 58 dB                                  |  |
| Dimensions<br>(W × D × H) (mm)          | 191 × 465 × 711 (S) , 191 × 465 × 350 (H)                                                                |  | 191 × 495 × 711 (S), 191 × 495 × 350 (H) |  |
| Packaged dimensions<br>(W × D × H) (mm) | 310 × 654 × 941 (S), 318 × 595 × 475 (H)                                                                 |  | 310 × 685 × 941 (S), 318 × 617 × 475 (H) |  |
| Net weight (kg)                         | 53 (S) , 14.5 (H)                                                                                        |  | 62 (S) , 16.5 (H)                        |  |
| Gross weight (kg)                       | 61 (S) , 16 (H)                                                                                          |  | 70 (S) , 18 (H)                          |  |

- S means standard model; H means long time model.
- All specifications are subject to change without notice.