



UPS RACK TOWER 6KVA - 10KVA

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.
- Hot-swappable battery.
- 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%
- 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
- Effective software and hardware protection function, robust self-diagnostic function, and
abundant event logs for check.
- RS232, EPO, USB and smart card slot included

Available Options

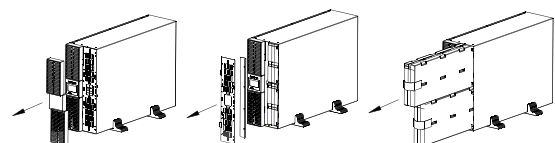
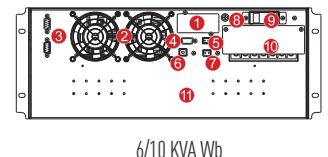
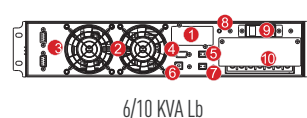
- Optional parallel function, battery temperature compensation, SNMP card, RS485 card,
dry contacts, EMD, and SMS alarms

Rear Panel

1. SNMP (optional)
2. Fans
3. Parallel (optional)
4. RS232
5. EPO
6. USB (optional)
7. Temperature Compensation (optional)
8. GND
9. Bypass Breaker
10. Terminal and cover
11. Battery Pack



Display panel can be rotated



Easy for maintenance, hot-swappable battery

| MODEL | KUE RT06 WB | | KUE RT06 LB | | KUE RT10 WB | KUE RT10 LB |
|--------------------------------------|---|--|----------------------------------|--|-------------|-------------|
| Capacity | 6kVA / 6kW | | | 10kVA / 10kW | | |
| 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); 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 (L - N) | | | | | |
| 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 1min, 126% ~ 150% for 30 s | | | | | |
| BATTERIES | | | | | | |
| DC voltage | 192 Vdc | 192 ~ 240 Vdc settable | 192 Vdc | 192 ~ 240 Vdc settable | | |
| Number of battery | 16 pcs (16 ~ 20 settable) | | | | | |
| Inbuilt battery (Wb) | 12V / 7Ah x 16 | / | 12 V / 9Ah x 16 | / | | |
| Charging current | 1A | 5A (default) , 1- 5A settable, 12A(optional) | 1A | 5A (default) , 1- 5A settable, 12A(optional) | | |
| Recharge time | 90% capacity restored in 8 hours | Depend on the capacity of battery | 90% capacity restored in 8 hours | Depend on the capacity of battery | | |
| SYSTEM | | | | | | |
| Efficiency | ≥ 94% at 100% load, max.94.5% at 60% load,≥ 98% In ECO mode | | | | | |
| Transfer time | 0ms | | | | | |
| Protections | Short-circuit, overload, overtemperature,battery low voltage, overvoltage, undervoltage and fan failure | | | | | |
| Max.number of parallel connections | 4 | | | | | |
| Communications | RS232, EPO, USB (Standard) / RS485, SNMP, battery temperature compensation (optional) | | | | | |
| Display | LCD + LED | | | | | |
| OTHERS | | | | | | |
| Operating temperature | 0°C ~ 40°C | | | | | |
| Storage temperature | -2S°C ~ 55°C (without battery) | | | | | |
| Relative humidity | 0 ~ 95% (non-condensing) | | | | | |
| Altitude | ≤ 1000 m, derating 1% for each additional 100m | | | | | |
| IP rating | IP 20 | | | | | |
| Noise level at 1 m | ≤ 55 dB | | | ≤ 58 dB | | |
| Dimensions (W x D x H)(mm) | 440 x 660 x 176 | 440 x 580 x 88 | 440 x 660 x 176 | 440 x 580 x 88 | | |
| Packaged dimensions (W x D x H) (mm) | 554 x 792 x 418 | 514 x 696 x 168 | 554 x 792 x 418 | 514 x 696 x 168 | | |
| Net welght (kg) | 58 | 12 | 63 | 14 | | |
| Gross weight (kg) | 68 | 14 | 73 | 16 | | |

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