



UPS 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.
- 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%
- 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, USB and smart card slot included

Available Options

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

Rear Panel

1. RS232
2. EPO
3. Parallel Port (optional)
4. USB
5. Temperature Detection (optional)
6. Intelligent Slot
7. Fans
8. Bypass Breaker
9. Input Breaker
10. GND
11. Terminals and Cover



MODEL	KUE T06 WB	KUE T06 LB	KUE T10 WB	KUE T10 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 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 1min, 126% ~ 150% for 30 s			
BATTERIES				
DC voltage	192 Vdc Wb model / 192 ~ 240 Vdc settable on Lb model			
Number of battery	16 pcs (16 ~ 20 settable)			
Inbuilt battery (standard model)	12V / 7Ah x 16		12 V / 9Ah x 16	
Charging current	Standard modal:1A;Long time model:5A (dafault) ,1 ~ 5A settable, 12A(optional)			
Recharge time	Standard model: 90% capacity restored In 8 hours; 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	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, dry contacts, SNMP, 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 100m			
IP rating	IP 20			
Noise level at 1 m	≤ 55 dB		≤ 58 dB	
Dimensions (W x D x H)(mm)	191 x 465 x 711(Wb), 191 x 465 x 350 (Lb)		191 x 495 x 711(Wb), 191 x 495 x 350 (Lb)	
Packaged dimensions (W x D x H) (mm)	310 x 654 x 941(Wb), 318 x 595 x 475 (Lb)		310 x 685 x 941(Wb), 318 x 617 x 475 (Lb)	
Net welght (kg)	53 (Wb), 14.5(Lb)		62 (Wb), 16.5(Lb)	
Gross weight (kg)	61 (Wb), 16 (Lb)		70 (Wb), 18(Lb)	

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