



UPS STAND ALONE 40KVA - 60KVA

Features

- Advanced dual-core DSP control technology and 3-level technology
- Active power factor correction (APFC), input power factor up to 0.99
- System efficiency is improved to 96%, energy saving rate is doubled
- Output power factor 1.0
- Dual input design, supporting independent bypass
- Advanced digital and parallel technology, providing higher reliability than single system
- Wide input voltage range
- 50/60 Hz auto-sensing frequency
- 50/60 Hz frequency conversion mode
- Work efficiency up to 98% in ECO mode
- Fan speed varies intelligently with load, reducing noise and extending its service life
- Conformal coating technology to make UPS operate in harsh environment for a long time
- Flexible battery configuration setting, selectable battery numbers: 32~40 pcs
- Digitally controlled charger
- Ability to switch on the UPS by battery in the absence of mains power (Cold start)
- Zero switching time for UPS power supply mode when the mains power is unstable, ensuring the output is uninterrupted
- Compact internal layout, small footprint
- 5 inches LCD colorful touch screen, friendly human & machine interface
- Powerful background software for parameters configuration and online upgrade
- Advanced multi-platform communication for UPS monitoring: RS232, USB, RS485, dry contacts, SNMP card, Wi-Fi card and GPRS card
- Linear derating in low voltage input, reducing battery discharging times, extending the service life of battery
- Intelligent battery management, automatic equalized and float charging control, charger dormancy control, improving the reliability of charger and extending the battery life
- Effective hardware and software protection, robust self-diagnosis function, abundant event logs for future check
- Standard RS232, USB, RS485, EPO, Dry contacts, Parallel port
- Optional SNMP card, Wi-Fi card, GPRS card, SMS alarms

MODEL	KUE 3T40 LB	KUE 3T60 LB
Capacity	40kVA / 40kW	60kVA / 60kW
INPUT		
Rated voltage	380 / 400 / 415 Vac (L-L)	
Voltage range	304~478Vac (L-L),full load 228V~304Vac (L-L), load decrease linearly according to the min phase voltage	
Rated frequency	50 / 60 Hz	
Frequency range	40 ~ 70 Hz	
Power factor	> 0.99	
Bypass voltage range	Selectable, default -20% ~ +15% Up limited: +10%, +15%, +20%, +25 %; Down limited: -10%, -15%, -20%, -30%, -40%	
Bypass frequency range	Selectable, ±1Hz, ±3Hz, ±5Hz	
Input current THDi	<3% (linear load)	
Bypass overload	125%: long term operation; 125% ~ 130%: 10min; 130% ~ 150%: 1min; 150% ~ 400%: 1s; >400%, less than 200ms	
OUTPUT		
Rated voltage	380/ 400/ 415 Vac (L-L)	
Voltage precision	± 1% (linear load)	
Frequency	Synchronized with utility in mains mode, 50/60 Hz ± 0.1% in battery mode	
Waveform	Sinusoidal	
Power factor	1	
Total harmonic distortion (THDv)	< 1% (full linear load), < 3% (full non-linear load according to IEC/EN62040-3)	
Crest factor	3:1	
Overload	<110%, 60min; 110% ~ 125%, 10 min; 125% ~ 150%, 1min; > 150%, 200ms	
BATTERIES		
DC voltage	±240VDC (selectable, 32 - 40pcs)	
Charging current	15 A Max.	20 A Max.
Recharge voltage precision	1%	
SYSTEM		
Display	5 inches touch screen	
Efficiency	96% Max.	
Transfer time	0ms	
Interface	Standard: RS232, RS485, USB, battery cold start Option:programmable dry contact, SNMP, parallel kit	
ENVIRONMENT		
Operating temperature	0°C ~ 40°C	
Storage temperature	-40°C ~ 70°C	
Relative humidity	0 ~ 95% (non-condensing)	
Altitude	<1000m, load derated 1% per 100m from 1000 ~ 2000m	
Noise level at 1 m	62dB Max.	
OTHERS		
Dimensions (W x D x H)(mm)	250 x 720 x 560	250 x 720 x 560
Packaged dimensions (W x D x H) (mm)	350 x 800 x 718	350 x 800 x 718
Net weight (kg)	42	48
Gross weight (kg)	52	58

- Lb means long time model.
- Derate capacity to 90% when the number of batteries is set to 32 pcs for 40kVA / 60kVA model.
- Custom-made specifications are acceptable.
- All specifications are subject to change without notice