## **ONLINE THREE-PHASE UPS**

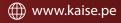




## UPS STAND ALONE 40KVA - 60KVA

## **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 highher 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



## TECHNICAL SPECIFICATIONS



| MODEL                                | KUE 3T40 LB   | KUE 3T60 LB     |
|--------------------------------------|---|-----------------|
| Capacity                             | 40kVA / 40kW  | 60kVA / 60kW    |
| INPUT                                |   |                 |
| Rated voltage                        | 380 / 400 / 415 Vac (L-L)   |                 |
| V-14                                 | 304~478Vac (L-L),full load  |                 |
| Voltage range                        | 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)   |                 |
|                                      | 125%: long term operation; 125% ~ 130%: 10min; 130% ~ 150%: 1min;               |                 |
| Bypass overload                      | 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