



## UPS TOWER 6KVA - 10KVA

### Features

- N+X parallel redundancy, support maximum 4 units in parallel
- Online double conversion with full digital control
- Optimization battery group, the quantity of battery: 16/18/20pcs (Settable)
- Wide input voltage range: 110~286Vac
- Wide input frequency range
- Selectable output voltage: 208/220/230/240Vac
- Generator compatible
- ECO mode operation for energy saving
- Self-testing when UPS startup
- Multiple communication interface: RS232/USB/EPO (Relay card /SNMP card optional)
- Maximum charging current up to 10A
- Cold start
- Design with maintenance switch (Optional)
- Intelligent fan speed regulation
- Multiple protection function: short-circuit, overload, overheat, battery overcharge and overdischarge, output low voltage and fan fault alarm



Colourful LCD



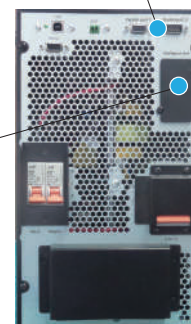
Optimized battery configuration  
7Ah/9Ah (12V)



Parallel board



SNMP



| MODEL                            |                     | KUKS T06 WB                                                                                                                                                      | KUKS T10 WB      |
|----------------------------------|---------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|
| Capacity                         |                     | 6000 VA/5400 W                                                                                                                                                   | 10000 VA/9000 W  |
| INPUT                            |                     |                                                                                                                                                                  |                  |
| Nominal voltage                  |                     | 208 / 220 / 230 / 240 Vac                                                                                                                                        |                  |
| Input voltage range              |                     | 110 ~ 286 Vac                                                                                                                                                    |                  |
| Power factor                     |                     | ≥ 0.99                                                                                                                                                           |                  |
| Bypass voltage range             |                     | Max.voltage: 220V: +25% (Optional +10%, +15%, +20%)<br>230V: +20% (Optional +10%, +15%)<br>240V: +15% (Optional +10%)<br>Min.voltage: -45% (Optional -20%, -30%) |                  |
| FREQUENCY                        |                     |                                                                                                                                                                  |                  |
| Frequency range                  |                     | 40~70Hz (50/60Hz Auto-Sensing)                                                                                                                                   |                  |
| OUTPUT                           |                     |                                                                                                                                                                  |                  |
| Voltage                          |                     | 208/220/230/240Vac                                                                                                                                               |                  |
| Voltage regulation               |                     | ± 1%                                                                                                                                                             |                  |
| Power factor                     |                     | 0.9                                                                                                                                                              |                  |
| Output frequency                 | Line mode           | ±1%/±2%/±4%/±5%/±10% of the rated frequency (Optional)                                                                                                           |                  |
|                                  | Bat. Mode           | (50/60±0.1%)Hz                                                                                                                                                   |                  |
| Total harmonic distortion (THDv) |                     | ≤ 3% (linear load); ≤ 5% (non - linear load)                                                                                                                     |                  |
| Crest factor                     |                     | 3:1                                                                                                                                                              |                  |
| Transfer time                    | AC mode to Bat.mode | 0ms                                                                                                                                                              |                  |
|                                  | Inverter to Bypass  | 0ms                                                                                                                                                              |                  |
| Output waveform                  |                     | Pure Sinewave                                                                                                                                                    |                  |
| Overload                         | Line mode           | Load ≤110% last 60min; ≤125% last 10min; ≤150% last 1min > 150% turn to bypass mode immediately                                                                  |                  |
|                                  | Bypass mode         | 40A (Breaker)                                                                                                                                                    | 63A (Breaker)    |
| Efficiency                       |                     | up to 93.5%                                                                                                                                                      |                  |
| BATTERY                          |                     |                                                                                                                                                                  |                  |
| Battery voltage                  |                     | ±96 Vdc                                                                                                                                                          |                  |
| Number of battery                |                     | 12V / 7Ah x 16                                                                                                                                                   | 12 V / 9Ah x 16  |
| Typical recharging time          |                     | 6~8 hours (To 90% of full capacity)                                                                                                                              |                  |
| Charging current                 |                     | 1.35A                                                                                                                                                            |                  |
| INDICATORS                       |                     |                                                                                                                                                                  |                  |
| LED display                      |                     | Line mode, Bat.mode, ECO mode, Bypass mode, Battery low voltage, Overload & UPS fault                                                                            |                  |
| LCD display                      |                     | Input voltage, Input frequency, Output voltage, Output frequency, Load percentage, Battery voltage, Inner temperature& Remaining battery backup time             |                  |
| ALARM                            |                     |                                                                                                                                                                  |                  |
| Battery mode                     |                     | Beeping every 4 seconds                                                                                                                                          |                  |
| Battery low                      |                     | Beeping every second                                                                                                                                             |                  |
| Overload                         |                     | Beeping twice every second                                                                                                                                       |                  |
| Fault                            |                     | Continously beeping                                                                                                                                              |                  |
| PHYSICAL                         |                     |                                                                                                                                                                  |                  |
| Dimension W×D×H                  |                     | 191×460×720mm                                                                                                                                                    |                  |
| Net weight (Kg)                  |                     | 70 Kg                                                                                                                                                            | 71.5 Kg          |
| ENVIRONMENT                      |                     |                                                                                                                                                                  |                  |
| Operating temperature            |                     | 0°C ~ 40°C                                                                                                                                                       |                  |
| Storage temperature              |                     | -25°C ~ 55°C                                                                                                                                                     |                  |
| Humidity range                   |                     | 20~95%RH @ 0~40°C (Non condensing)                                                                                                                               |                  |
| Altitude                         |                     | <1500m, derating required when>1500m                                                                                                                             |                  |
| Noise level                      |                     | <55dB at 1 Meter                                                                                                                                                 | <58dB at 1 Meter |
| STANDARDS                        |                     |                                                                                                                                                                  |                  |
| Safety                           |                     | IEC/EN 62040-1, IEC/EN 62477-1                                                                                                                                   |                  |
| EMC                              |                     | IEC/EN 62040-2 (IEC 61000-4-2, IEC 61000-4-3, IEC 61000-4-4, IEC 61000-4-5, IEC 61000-4-6, IEC 61000-4-8, IEC 61000-4-11, IEC 61000-2-2)                         |                  |

- When output voltage is 208Vac, need to derate to 80% of the unit capacity
- Specifications are subject to change without prior notice
- Data above are typical values for reference only, not as a basis for engineering design