

TEOS 900E - 660



25-200KVA ONLINE UPS

TEOS 900E-660 Series (25 kVA- 200 kVA) UPS is a high-end modular UPS with latest dual-core DSP control technology. It adopts a highly intelligent modular design which mainly contains power modules, bypass module and control module, all modules support "plug & play" to simplify UPS servicing and maintenance. The available UPS power and redundancy level can expand vertically from 25 kVA/ 25 kW to 200 kVA/ 200 kW in one single power cabinet with flexible configuration for meeting different needs. It can adapt to different grid environment and provides maximum protection and high quality power for critical loads in data centers or other important applications.



3phase in / 3phase out



Mains input switch
Bypass input switch
Control module
Bypass module
Power modules



LCD display screen
Maintenance bypass switch
Output switch

GENERAL SPECIFICATIONS

- Advanced dual-core DSP control technology
- True On-line, double conversion power protection
- Compact footprint, modular Hot-swappable design
- High efficiency up to 96% in on-line mode, 99% efficiency in ECO mode
- Dual input design, independent bypass available
- Output power factor 1.0, input power factor <0.99
- 138 - 485 Vac wide input voltage range, 50 Hz / 60 Hz grid self-adaptive
- Frequency conversion available: 50 Hz input / 60 Hz output or 60 Hz input / 50 Hz output
- Advanced digital parallel technology
- Flexible charger parameter and battery configuration settings
- Compatible with lead-acid battery and lithium battery
- Supports cold start with battery and auto restart with mains power
- 7 inches LCD touch screen

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ONLINE UPS 3phase in / 3phase out

25 - 200kVA



| MODEL | T9E100B | T9E200B |
|-------------------------------------|--|------------------|
| Rated capacity | 100 kVA / 100 kW | 200 kVA / 200 kW |
| Number of power module | 4 | 8 |
| Rated capacity of power module | 25 kVA / 25 kW | |
| INPUT | | |
| Input wiring | Three-phase five-wire (3Φ + N + PE) | |
| Rated voltage | 380 / 400 / 415 Vac | |
| Voltage range | 138 ~ 305 Vac (linear derating at 40% ~ 100% load), 305 ~ 485 Vac (no derating) | |
| Frequency range | 40 ~ 70 Hz | |
| Input power factor | ≥ 0.99 | |
| THDi | ≤ 3% | |
| Bypass input voltage range | -60% ~ +25% (settable) | |
| Battery voltage | ± 240 Vdc (±180 ~ ± 276 Vdc settable) | |
| Number of battery | 40 pcs 12 V batteries (30, 32, 34, 36, 38, 40, 42, 44, 46 pcs settable) | |
| OUTPUT | | |
| Output wiring | Three-phase five-wire (3Φ + N + PE) | |
| Rated voltage | 380 / 400 / 415 Vac | |
| Output voltage regulation accuracy | ±1% | |
| Output frequency accuracy | Synchronized with utility in mains power mode; 50 Hz / 60 Hz ± 0.1% in battery mode | |
| Output power factor | 1 | |
| Output waveform distortion (THDv) | ≤ 1% (linear load); ≤ 3% (non-linear load) | |
| Crest factor | 3:1 | |
| Overload capacity | 105% < load ≤ 110% for 60 min, 110% < load ≤ 125% for 10 min, 125% < load ≤ 150% for 1 min, load > 150% for 0.2 s | |
| SYSTEM | | |
| Max. efficiency | 96% in on-line mode, 99% in ECO mode | |
| Transfer time | 0 ms | |
| Max. number of parallel connections | 2 | |
| Protections | Short-circuit, overload, over-temperature, battery low voltage, undervoltage, overvoltage, fan failure protection | |
| Communications | Standard configurations: RS485, CAN, NET, SNMP, dry contacts port and EPO Optional configurations: Wi-Fi card, parallel port, LBS port, GPRS card, battery temperature sensor, EMD and SMS alarms | |
| Display | 7 inches LCD touch screen | |
| ENVIRONMENTAL | | |
| Operating temperature | 0°C ~ 40°C | |
| Storage temperature | -25°C ~ +55°C (without battery) | |
| Relative humidity | 0% ~ 95% (non-condensing) | |
| Altitude | ≤ 1000 m, above 1000 m, derating 1% for each additional 100 m | |
| Protection level | IP 20 | |
| Noise | ≤ 65 dB (at 1 m) | |
| OTHERS | | |
| Cabinet dimensions (W x D x H)(mm) | 600x850x1200 | 600 x 850 x 2000 |
| Cabinet weight(kg) | 180 | 280 |
| Module dimensions(W x D x H)(mm) | 442 x 620 x 86 | |
| Power module weight(kg) | 21 | |
| Color | Black | |

● All specifications are subject to change without notice.