

TEOS 900E - 660

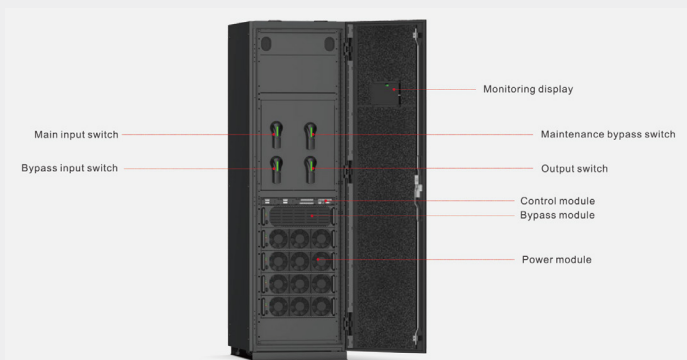


50-600KVA ONLINE UPS

TEOS 900E - 660 UPS is ideal for reliable, saving, intelligent and easy solutions. It ensures that a scalable, secure, high quality power supply is available for any critical high-density computer and IT environment applications, such as data centers and other critical loads. TEOS 900B modular UPS is a scalable three-phase / three-phase uninterruptible power supply system with DSP technology and provides true on-line double conversion power protection. The available UPS power and redundancy level can expand vertically from 50 to 600 kVA / 600 kW in one single power cabinet, and four power cabinets can be connected in parallel, increasing the capacity up to 2.4 M kW.



3phase in / 3phase out



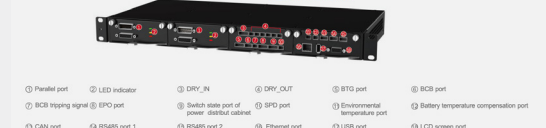
Power Module



Bypass Module



Control Module



GENERAL SPECIFICATIONS

- Dual DSP digital control technology
- Flexible modularity and easy scalability with all hot-swappable module design
- High efficiency at low load rate: 96% at 40% rated load and 95% at 20% rated load
- High power density of 25kVA / 3U power module
- Wide input voltage range, high grid adaptability, strong load adaptability and strong overload capability
- Small footprint (250kVA system only 1.02 m2 footprint)
- Inbuilt integrated PDU system, easy installation
- High-efficiency double-conversion online UPS
- Input power factor > 0.99, THDi < 3%, environment friendly and high-efficiency and energy-saving
- Soft-start technology improves generator matching up to 1:1.1
- Supports two modes of frequency conversion: 50Hz input/60 Hz output and 60Hz input/50Hz output
- Intelligent hibernation design enables UPS to operate efficiently at low load rate to prolong service life and improve the system efficiency
- Advanced parallel expansion technology, support 4 units in parallel
- Share battery pack in parallel operation, saving user's battery cost

TEOS 900E - 660



ONLINE UPS

3phase in / 3phase out

50 - 600kVA

MODEL	T9E200	T9E300	T9E400	T9E500	T9E600
Rated capacity	200 kVA/200 kW	300 kVA/300 kW	400 kVA/400 kW	500 kVA/500 kW	600 kVA/600 kW
Numbers of power modules	4	6	8	10	12
Rated capacity of power module	50 kVA				
INPUT					
Input wiring	3 Ph + N + PE				
Rated voltage	380 / 400 / 415 Vac				
Voltage range	138 ~ 485 Vac (305 ~ 485 Vac without power downgrading; 138 ~ 305 Vac with linear downgrading 40%)				
Input frequency	40 ~ 70 Hz				
Power factor	≥ 0.99				
Current distortion	< 3%				
BATTERIES					
Battery voltage	± 240 Vdc (±180, ± 192, ± 204, ± 216, ± 228, ± 252, ± 264, ± 276 selectable)				
Number of battery	40 pcs 12 V batteries (30 / 32 / 34 / 36 / 38 / 42 / 44 / 46 pcs selectable)				
OUTPUT					
Output wiring	3 Ph + N + PE				
Rated voltage	380 / 400 / 415 Vac ±1%				
Frequency	Synchronized with utility in mains power mode: 50 Hz / 60 Hz ± 0.25% in battery mode				
Power factor	1				
Voltage distortion	≤ 1% with linear load / ≤ 3 % with non-linear load				
Crest factor	3:1				
Inverter overload capacity	105% < load ≤ 110%: transfer to bypass in 60 min 110% < load ≤ 125%: transfer to bypass in 10 min 125% < load ≤ 150%: transfer to bypass in 1 min Load > 150%: transfer to bypass in 200 ms				
Bypass overload capacity	Load ≤135% for long term; < 1000% load for 100 ms				
SYSTEM					
Efficiency	96.5 %				
Max. number of parallel connections	4 units				
Transfer time	0 ms				
Protections	Short circuit protection, overload protection, over-temperature protection, battery low voltage protection, output over/low voltage protection, fans failure protection etc.				
Communications	RS485, dry contacts, SNMP				
Display	7 inches LCD touch screen				
OTHERS					
Operating temperature	0 ~ 40°C				
Storage temperature	-40°C ~ +70°C				
Humidity	0 ~ 95% (non-condensing)				
Altitude	≤ 1000 m. Above 1000 m, derating 1% for each additional 100 m				
Protection level	IP 20				
Noise level at 1 m	< 65 dB	< 68 dB			
Cabinet dimensions (W × D × H) (mm)	600 × 850 × 2000		1200 × 850 × 2000		1400 × 850 × 2000
UPS module dimensions (W × D × H) (mm)	440 × 620 × 130				
Cabinet weight (kg)	233	242	415	465	617
Power module weight (kg)	32				