

KTT-series



True On-line Double Conversion UPS

Three Phase Input / Three Phase Output True On-line UPS

- True on-line double conversion technology
 - Full DSP control
 - High power factor
 - Wide input adaptability
 - Strong overload capability
 - N+x parallel redundancy up to 6 units
 - Emergency Power Off function (EPO)
 - LED indicator and large LCD display
 - Intelligent battery management
 - Flexible battery configuration
 - Provides the LBS synchronization function
 - Generator mode
 - Product from ISO 9001 and ISO 14001 certified factory
- RS-232 and RS-485 ports
 - SNMP/HTTP monitor capability and dry contact (option)

Applications

- Internet service provider
- Computer data center
- Industrial automation
- Bank or security system
- Telecommunication system
- Transportation system
- Mission-critical equipments



MODEL	KTT-10	KTT-20	KTT-30	KTT-40	KTT-60	KTT-80	
Capacity(VA/Watts)	10kVA / 9kW	20kVA / 18kW	30kVA / 27kW	40kVA / 36kW	60kVA / 54kW	80kVA / 72kW	
INPUT							
Operating voltage range	380/400/415Vac (-25% / +20%), (3Ph+N+PE)						
Operating frequency range	50/60Hz (± 5%)						
Power factor	> 0.97*						
OUTPUT							
Output voltage	380/400/415Vac (± 1%)						
Output frequency	50/60Hz (± 0.05%)						
Harmonic distortion (THDv)	<3% (linear load)						
Crest factor	3:1 (max)						
Efficiency	≥88%	≥89%		≥90%	≥90.5%		
BYPASS							
Rated voltage	380/400/415Vac						
Rated frequency	50/60Hz						
Voltage protection range	Upper limit: +20% (+10%, +15%, +20% adjustable) Lower limit: -40% (-10%, -20%, -30%, -40% adjustable)						
Frequency protection range	± 10% (± 2.5%, ± 5%, ± 10%, ± 20% adjustable)						
BATTERY							
Battery voltage	384Vdc (360~384Vdc)						
SYSTEM FEATURES							
Transfer time	0 ms (Line mode→ Battery mode)						
Overload	Load ≤ 110%/ 60min; ≤ 125% /10mins; ≤ 150%/1 min, to Bypass						
LED display	Input, Inverter, Bypass, Battery, Output, Status						
LCD display	I/O voltage, frequency, power, power factor, battery voltage, current, battery status, load percentage, UPS status, history record						
Communication interface	Dry contact, RS232, RS485, SNMP card (Optional)						
Optional	Harmonic filter, SNMP adapter, LBS cables, battery temperature sensor, Bypass current-sharing inductor						
ENVIRONMENTAL							
Operating temperature	0 ~ 40°C						
Storage temperature	-25 ~ 55°C						
Humidity range	0 ~ 95% (non-condensing)						
Altitude	<1500m						
Noise level	<60dB			<65dB			
PHYSICAL							
Dimension W × D × H (mm)	350 × 650 × 1050		430 × 830 × 1100		720 × 690 × 1400		
Net weight (kg)	148	163	230	255	386	426	
Shipping weight (kg)	168	183	263	288	432	472	

STANDARDS

Safety	IEC/EN62040-1; IEC/EN62477-1					
EMC	IEC/EN62040-2; IEC61000-4-2; IEC61000-4-3; IEC61000-4-4; IEC61000-4-5; IEC61000-4-6; IEC61000-4-8					
Performance	IEC 62040-3					

* With optional filter. Request when order. Continuous product development is our commitment. In that manner, the above specifications may be changed without prior notice.

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