

KTT-series



True On-line Double Conversion Modular UPS

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

- True on-line double conversion technology
- Full DSP control
- IGBT inverter & output isolation transformer
- 3-phase UPS allow 100% unbalance load
- Full static transfer switch
- Zero time transfer switch
- Emergency Power Off function (EPO)
- N+x parallel redundancy up to 6 units
- LED indicator and large LCD display
- Intelligent battery management
- Intelligent control and monitoring system
- Built-in battery cold start unit
- Economy mode & Online mode

- RS-232 port
- SNMP/HTTP monitor capability and dry contact (option)
- Product from ISO 9001 and ISO 14001 certified factory

Applications

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



MODEL		KTT-103	KTT-203	KTT-303	KTT-403	KTT-603	KTT-803
CAPACITY	VA	10 kVA	20 kVA	30 kVA	40 kVA	60 kVA	80 kVA
	Watt	9 kW	18 kW	27 kW	36 kW	54 kW	72 kW
MAIN INPUT	Voltage	(380 / 400 / 415 Vac) : 380 Vac (L-L) $\pm$ 25%					
	Frequency	50 / 60 Hz $\pm$ 5 Hz auto sensing					
	Phase	Three phase four wires					
	Power factor	1 (with filter)					
BYPASS INPUT	Voltage	Upper limit: 380 Vac (L-L) +10%, +15%, +20% (can be set)					
		Lower limit: 380 Vac (L-L) -10%, -20%, -30%, -40% (can be set)					
OUTPUT	Voltage	(380 / 400 / 415 Vac) : 380 Vac (L-L) $\pm$ 1%					
	Transient voltage response	5%					
	Power factor	0.9					
	Frequency (battery mode)	50 Hz $\pm$ 0.05%					
	Total Harmonic Distortion	< 3% at linear load, < 5% at non-linear load					
	Overload capability	110% transfer to bypass after 1 hour, 125% transfer to bypass after 10 minutes, 150% transfer to bypass after 1 minute and > 150% transfer to bypass after 200 ms					
	Crest factor ratio	3 : 1					
EFFICIENCY	AC to AC	88%	89%	90%	90%	91%	92%
BATTERY	Type	sealed lead acid (maintenance free) rechargeable					
	Nominal voltage	384 Vdc					
STANDARD	EMI attenuation	IEC 62040-2					
	EMS	IEC 61000-4-2 (ESD), IEC 61000-4-3 (RS), IEC 61000-4-4 (EFT), IEC 61000-4-5 (Surge)					
	Industrial standard	CE, EN / IEC 62040-2, EN / IEC 62040-1-1					
	Enclosure protection	IP20					
INDICATOR	Front panel LED	Input, Inverter, Battery, Output status					
	Front panel LCD's	Input & output voltage, frequency, power factor, battery voltage, battery current, battery status, load percentage, UPS status, history record, parameters setting					
AUDIBLE ALARM	Buzzer	yes					
COMMUNICATION INTERFACE	Standard interface	RS-232 port and RS-485 port					
	SNMP/HTTP capability	option					
	Dry contact	option					
SOFTWARE	UPS monitoring and management software	yes					
ACOUSTIC NOISE	At 1 metre	62 dBA					
ENVIRONMENT	Temperature	0 - 40°C					
	Relative humidity	0 - 95% (non-condensing)					
DIMENSIONS	W x H x D (approx. in cm.)	57 x 119.5 x 80				88 x 160 x 76	
WEIGHT	Approximate in kg.	225	275	320	335	490	575



บริษัท แสง (ประเทศไทย) จำกัด

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