

MTT-series

Three Phase True Online Modular UPS

Reliable Power Quality

- Input voltage 380 Vac (L-L) with -40% to 25%
- High input power factor > 0.99
- Low input Total Harmonic Distortion (THDi) < 3%
- Input frequency 50 Hz/60 Hz
- Output voltage 380 Vac (L-L) \pm 1%

Power Display and Management

- LED indicator and large touchscreen LCD
- Intelligent battery management
- Intelligent control and monitoring system
- Built-in battery cold start unit

Communication

- RS-232 and RS-485 port
- SNMP/HTTP monitor capability and dry contact (option)

Saving

- High efficiency > 95% in AC to AC and 98% in Eco mode
- Totally front access, top and bottom cable connection

Safety

- Emergency Power Off function (EPO)
- N+x redundant configuration

High Reliability

- True on-line double conversion technology
- Horizontal modularity parallel redundant configuration up to 2 units
- Double DSP controller for individual power module
- Digital paralleling technology, excellent current sharing performance between the modules
- Intelligent module and system protection design
- Intelligent system parameter calibration function
- Intelligent component level diagnose system
- Easy operation and installation with modular design and hotswappable

Applications

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



MASCI
ISO 9001 QMS 01098/349
ISO 14001 EMS 01007/045



NSIC-TIS-TIS 17021
QMS 002 / EMS 005

MTT-series Three Phase True On-line Modular UPS

SPECIFICATIONS

MODEL		MTT-803	MTT-104	MTT-124	MTT-144	MTT-164	MTT-184	MTT-204	
CAPACITY	VA	80 kVA	100 kVA	120 kVA	140 kVA	160 kVA	180 kVA	200 kVA	
	Watt	64 kW	80 kW	96 kW	112 kW	128 kW	144 kW	160 kW	
MAIN INPUT	Voltage	380 Vac (L-L) -40% to 25%							
	Frequency	50 / 60 Hz							
	Frequency range	40 - 70 Hz							
	Phase	Three phase four wires							
	Power factor	more than 0.99							
	Total Harmonic Distortion	THDi < 3% at full linear load							
BYPASS INPUT	Voltage	380 Vac (L-L) -20% to 15%							
OUTPUT	Voltage	380 Vac (L-L) ± 1% (balance load), 1.5% (unbalance load)							
	Transient voltage response	5%							
	Power factor	0.8							
	Frequency	50 Hz ± 3 Hz (adjustable))							
	Phase tolerance	120° ± 0.5° (balance and unbalance load)							
	Total Harmonic Distortion	THDv < 1% at linear load, THDv < 5.5% at non-linear load							
	Overload capability	105% long time operation							
		110% transfer to bypass after 1 hour							
		125% transfer to bypass after 10 minutes							
		150% transfer to bypass after 1 minute > 150% transfer to bypass after 200 ms							
Bypass overload capability	125% long time operation								
	125% < load < 130%, last for more than 1 hour								
	130% < load < 150% last for more than 6 minutes								
	>1000% last for more than 100 ms								
EFFICIENCY	AC to AC	95%							
	Economy mode	98%							
	Battery mode	95%							
BATTERY	Type	sealed lead acid (maintenance free) rechargeable							
	Nominal voltage	± 240 Vdc							
STANDARD	Safety	IEC/EN 62040-1							
	EMC	IEC/EN 62040-2							
	Enclosure protection	IP20							
INDICATOR	Front panel LED	UPS Status, Bypass, Rectifier, Inverter, Output, Battery							
	Front panel LCD's	Input (voltage, current, frequency, power factor), Bypass input (voltage, current, frequency, power factor), AC output (voltage, current, frequency, power factor), Load (kVA, kW, kVAR, %), Battery data (environment temperature, voltage, current, temperature, remaining backup time, capacity, equalize charging, float charging, disconnected), Current and History alarm and UPS system information							
AUDIBLE ALARM	Buzzer	yes							
CONNECTION		Top or bottom cable connection							
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		< 55 dBA at 1 metre							
ENVIRONMENT	Temperature	0 - 40°C							
	Relative humidity	0 - 95% (non-condensing)							
DIMENSIONS	W x H x D (approx. in cm.)	60 x 160 x 90			60 x 200 x 90				
WEIGHT	Approximate in kg.	263	285.5	311	371.5	394	416.5	421	

Continuous product development is our commitment. In that manner, the above specifications may be changed without prior notice.

Authorized Distributor

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