

# MTI250 MODULAR UPS

## 25-200kVA

High Power Density (2U)

Graphic LCD Display

kVA=kW



The MTI250 Modular Ups Series Rack Mounted Modular UPS is scalable, hot-swappable, online double conversion. The power capacity is from 25 to 200kVA/kW, it's the ideal choice for modern data center. With the latest IGBT three-level and full DSP control technology, the new MTI250 series delivers the best combination of reliability and flexibility.

## GENERAL SPECIFICATIONS

### High Power Density

25kVA power module in 2U height, saving great amount of space, easy for capacity expansion

### Rack Modular Design

Module design, compatible with 19" standard rack cabinet, convenient to be integrated with servers

### APPLICATION

IDC(Internet Data Center), network servers and workstation, control system, communication system, office, PC etc

### Battery Cold Start

UPS can be powered on from the battery without utility

### Friendly Interface

Touch LCD display with abundant information

## TECHNICAL SPECIFICATIONS

MODEL		MTI150/25C	MTI200/25C
Capacity		150kVA/150kW	200kVA/200kW
Power module capacity		TPM25C (25kVA/25kW)	
<b>INPUT</b>			
Dual input		Optional	Standard
Phase		3 Phase+Neutral+Ground, 380V/400V/415V(line-line)	
Input voltage range		304~478Vac (line-line),full load; 228V~304Vac (line-line),load decreases linearly according to the min phase voltage	
Frequency		50Hz / 60Hz	
Frequency range		40Hz~70Hz	
Power factor		> 0.99	
THDI		< 3% @100% linear load	
<b>BYPASS</b>			
Voltage		380/400/415Vac (line-line)	
Frequency		50Hz / 60Hz	
Voltage range		Settable, -40%~+25%	
Frequency range		Settable, ±1Hz, ±3Hz, ±5Hz	
Overload		110% long term operation; 125% for 5 mins ;150% for 1 min; >150% for 1s	
<b>OUTPUT</b>			
Voltage		380V/400V/415V (line-line)	
Voltage regulation		±1(0~100% linear load)	
Frequency		50Hz / 60Hz	
Frequency precision		0.1%	
Power factor		1.0	
Voltage THD		< 1.0% (linear load ), < 5.5% (none linear load)	
Crest factor		3:1	
Inverter overload		110% for 1 hour; 125% for 10 mins ;150% for 1 min; >150% for 200 ms	
<b>BATTERY</b>			
Voltage		± 240 VDC	
Battery number		40pcs (Settable: even number from 32 to 44)	
Voltage precision		±1%	
Charge power		up to 20% * Output active power	
Battery cold start		Standard	
Efficiency	AC mode	96%	
	ECO mode	98%	
	Battery mode	95.5%	
<b>SYSTEM</b>			
Display		7.0" color touch screen LCD + LED + keyboard	
IP Class		IP20	
Interface		RS232, RS485, Programmable Dry Contact	
Option		PDU for RM150/25C,SNMP Card, Parallel kit,SPD, LBS	
Temperature		Operation: 0~40°C Storage: -40~70°C	
Relative humidity		0~95% Non-condensing	
Altitude		<1000m. Within 1000m to 2000m, power derate 1% for every 100m rise	
Acoustic noise		65dB @ 100% load, 62dB @ 45% load	
Applicable standards		Safety: IEC/EN 62040-1-1 EMC: IEC/EN 62040-2 Performance: IEC/EN 62040-3	
<b>PHYSICAL</b>			
Weight (kg)	Cabinet	140	160
	Power module	18	
Dimension (HxWxD)	Cabinet	931x482x916	1550x482x916
	Power module	85x436x677	