



20 - 200 kVA

MTI200 MODULAR UPS SERIES

UNINTERRUPTIBLE POWER SUPPLIES

MTI200 series is modular online UPS for sensitive equipments. The single cabinet power rating covers from 20kVA to 200kVA which delivers the best of combination of reliability, hot-swappable and flexibility.

With the latest IGBT 3-level technology and DSP control, MTI200 achieves a high input power factor, low THDI.

GENERAL SPECIFICATIONS

- Modular design with N+X redundancy
- Online hot swapping, by-pass and power module feature
- Full DSP control of high stability, reliability and safety
- 3 Level topology
- Excellent input performances for complete compatibility with input PF of 99% and wide range of voltage
- Self-Aging mode for full load test with less than 10% of the total power capacity needed
- Smart charging management system, intelligently control the the whole process of the charging and discharging effectively improve the life time of the battery
- Independent charger for batteries, intelligent battery management system
- Battery cold start, UPS can be powered on from the battery without utility.
- Totally front access, top and bottom cable connection
- User friendly machine interface with touch screen
- Hot swap battery system in single cabinet up to 60kVA





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TECHNICAL SPECIFICATIONS



MODEL	MTI2060/20	MTI2120/20	MTI2200/20	*MTI2060/20B
Capacity	20 - 400kVA			20 - 60kVA
Power module type	TPM20 (20kVA/18kW)			
INPUT				
Phase	3P + N + G			
Voltage	380V/400V/415V (line to line)			
Frequency	50Hz / 60Hz			
Power factor	> 0.99			
THDI	THDI < 3% @100% linear load			
Voltage range	-20% ~ + 25%			
Frequency range	40Hz ~ 70Hz			
OUTPUT				
Voltage	380V/400V/415V			
Voltage regulation	±1% (Balance load); ± 1.5% (unbalance load)			
Voltage THD	THD < 1.5% (linear load), THD < 6% (none linear load)			
Power factor	0.9			
Crest ratio	3:1			
Overload capability	110% for 1 hour; 125% for 10 minutes ;150% for 1 minute; >150% for 200ms			
BATTERY				
Voltage	± 240 VDC for 40 batteries (selectable battery number 36-44)			
Charge power	20%*System Power			
Charge power precision	±1%			
SYSTEM				
Parallel (cabinet)	6	3	2	-
System efficiency	Normal mode: 95%; ECO mode: 98%; Battery mode: 95%			
Display	LCD + LED, touch screen + keyboard			
IP class	IP20			
Interface (communication port)	Standard: RS232,RS485, Dry contacts, EPO / Optional: SNMP card			
Operation / storage temperature	0~40°C /-40~70°C			
Relative humidity	0~95% (non-condensing)			
Noise	55dB (1 meter away)			
PHYSICAL				
Weight (kg)	Cabinet	3-Slot cabinet:120; 6- Slot cabinet:151;10-Slot cabinet:182		3-Slot cabinet:205
	Power module	TPM20:22		
	Battery pack	-		10 (without battery)
Dimension (mm) HxWxD	Cabinet	3-Slot cabinet:1100x900x600; 6-Slot cabinet: 1600x900x600;10-Slot cabinet: 2000x900x600		3-Slot cabinet:2000x600x1020
	Power module	TPM20: (3U)134x440x590		
	Battery pack	-		(4U) 177x120x824

(*) Single cabinet with internal batteries