



The MOT-T Series is a transformer base with a **Modular Design** UPS, ideal for all applications where a critical load must be protected, from the simplest to the most complex installations, when the need for reliability and easy maintenance is most important.



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# Mod-T

**UPS On-Line three phase 3/3  
with Isolation Transformer**

**60KVA ~ 200KVA**

[www.itapower.it](http://www.itapower.it)



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## On-Line three phase 3/3 UPS with Isolation Transformer

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### highlights

- ① Pluggable power module design with front access
- ① Parallel operation with common battery
- ① Built-in output isolation transformer
- ① Dual-mains inputs
- ① Built-in 4 switches
- ① Flexible battery configuration and adjustable charging current
- ① Output power factor 1
- ① Active power factor correction in all phases



MODEL	MDT060	MDT100	MDT120	MDT180	MDT200
PHASE	3-phase in/3-phase out				
CABINET CAPACITY	60KVA/60KW	100KVA/100KW	120KVA/120KW	180KVA/180KW	200KVA/200KW
BATTERY TYPE	External Battery				
PARALLEL CAPABILITY	4				
INPUT					
Nominal Voltage	3 x 380/400/415 VAC (3Ph+N)				
Voltage Range	110-300 VAC @ 50% load; 176-276 VAC @100% load				
Nominal Frequency	50/60Hz (Auto sensing)				
Frequency Range	40Hz ~70Hz				
Power Factor	≥ 0.99 @ 100% load				
Harmonic Distortion (THDi)	<5% @ 100% load				
OUTPUT					
Nominal Voltage	3 x 380/400/415 VAC (3Ph+N)				
Voltage Regulation (Steady state)	≤± 1% Typical (balanced load)				
Nominal Frequency	50/60Hz				
Frequency Range (Synchronized range)	46Hz ~ 54Hz or 56Hz ~ 64Hz				
Overload Capability	≤ 110% for 1 hour, 111% ~ 125% for 10 mins, 126%~150% for 1 min and >150% for 200ms				
Harmonic Distortion	≤2% THD (Linear Load)				
Efficiency					
AC Mode	92,3%				
ECO Mode	95,8%				
Battery Mode	91,3%				
BYPASS					
Nominal Voltage	3 x 380/400/415 VAC (3Ph+N)				
Voltage Range	-30% ~ +20%				
Frequency Range	46Hz ~ 54Hz or 56Hz ~ 64Hz				
Overload Capability	≤ 110% for 1 hour, 111% ~ 125% for 10 mins, 126%~150% for 1 min and >150% for 200ms				
BATTERY / CHARGER					
Nominal Voltage	+/- 192V ~ +/- 240V (Selectable)				
Maximum Voltage	+/- 240V (12V x 40 Pcs)				
Minimum Voltage	+/- 192V (12V x 32 Pcs)				
Floating Charge Voltage	2.28V / Cell (2.25 ~2.33 Selectable)				
Boost Charging Voltage	2.35V/Cell				
Temperature Compensation	Yes				
Maximum Charging Current	18A (Adjustable)	24A (Adjustable)	36A (Adjustable)	54A (Adjustable)	54A (Adjustable)
PHYSICAL					
IP Protection	IP 20				
Dimension (D x W x H) mm	1000 x 600 x 1200	1000 x 480 x 1600	1000 x 480 x 1600	1000 x 600 x 2000	1000 x 600 x 2000
Net Weight (kgs)	334	517	557	826	866
ENVIRONMENT					
Operation Temperature	0 ~ 40°C				
Relative Humidity	0 ~ 95% non-condensing				
Altitude ***	<1000m for Nominal power				
MANAGEMENT					
RS-232/USB	Supports Windows family, Linux and MAC				
Optional SNMP	Power management from SNMP manager and web browser				

\*\*\*If the UPS is installed or used in a place where the altitude is above than 1000m, the output power must be derated one percent per 100m.