



**METIS** series offers the best combination of power availability, energy efficiency and overall performance with the further guarantee of considerable savings in terms of installation and operating costs.



Medical  
equipment



Sensitive  
IT loads



Industry



Critical  
buildings



Data center

# Metis 500

Three Phase Modular UPS

**150KVA ~ 500KVA**

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

# Metis 500

## Three Phase Modular UPS 150KVA ~ 500KVA



**METIS** is a modular, scalable online UPS ranging from 150kW to 500kW is designed to protect any critical load for medium and large data center achieving maximum availability. The **METIS** series feature use the latest technology of 3-level technology, which guarantees high efficiency of 96% and ultra-reliability. Its compact design ensures power density of 500kVA in one cabinet, 3 units can be paralleled for capacity or redundancy up to 1500kVA, making it an excellent choice for medium and large facilities.

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## highlights

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- ① High Density, Modular, Scalable
  - ① Power factor 1
  - ① High efficiency of 98% in ECO mode
  - ① High power density, 25kW & 50kW power modules
  - ① Self-aging
  - ① Large Friendly 7" touch colour LCD with graphic display
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METIS FRAME	ME150	ME200	ME300	ME400	ME500
POWER MODULE	MPM25		MPM50		
POWER MODULE CAPACITY	25KVA/25KW		50KVA/50KW		
<b>MAIN INPUT</b>					
Input Voltage	380V/400V/415V (three phases + neutral + ground)				
Input frequency	50/60Hz				
Dual Input	Optional	Standard	Optional	Standard	
Power factor	>0.99				
Frequency window	40-70Hz				
Input voltage window	Settable, -40%~+25%				
Input THDi	<3% (100% Linear load)				
<b>BATTERY</b>					
Battery voltage	±240VDC				
Number	40pcs (Settable: even number from 32 to 44)				
Voltage Precision	±1%				
Type	VRLA AGM/GEL; Ni-Cd				
Battery Cold Start	Standard				
<b>BYPASS</b>					
Bypass voltage	380/400/415Vac (line-line)				
Bypass voltage window	-40%~+25% selectable				
Bypass Frequency Range	Settable, ±1Hz, ±3Hz, ±5Hz				
Bypass overload capability	110% long term operation; 125% for 5 mins ;150% for 1 min; >150% for 1s		110% long term 130% for 5 mins 150% for 1min >150% for 1s		
<b>OUTPUT</b>					
Output Voltage	380/400/415Vac (line-line)				
Voltage Regulation	±1(0~100% linear load)		1% for balance load; 1.5% for unbalance load		
Voltage precision	0.1%				
Voltage THD( Harmonic Distortion)*	THD<1%(linear load),THD<6%(nonlinear load)		THD<1%(linear load),THD<5.5%(nonlinear load)		
Power factor	100,00%				
Rate Frequency	50/60Hz				
Crest factor	3:1				
Inverter Overload	110% for 1 hour; 125% for 10 mins ;150% for 1 min; >150% for 200 ms				
<b>SYSTEM</b>					
System efficiency*	AC Mode: 96.0% ECO Mode: 98.0% Battery Mode: 95.5%		AC Mode: 96.0% ECO Mode: 99.0% Battery Mode: 96.0%		
Display	7" touched colorful LCD+LED		10.4" touch screen LCD + LED + keyboard		
IP class	IP20				
Communication Ports	RS232,RS485,Dry contactor,SNMP card(optional),EPO				
Installation/Connection	Back or bottom cable entry				
Temperature	Operation: 0-40°C - Storage -25°C~70°C				
Relative humidity	0-95% (non-condensing)				
Noise(dB)	65dB @ 100% load, 62dB @ 45% load		72dB @ 100% load, 69dB @ 45% load		
Standards	European directive: L V 2014/35/EU Low voltage directive; EMC 2014/30/EU Electromagnetic compatibility directive Standards: Safety IEC EN 62040-1; EMC IEC EN 62040-2				
<b>Dimension(W*D*H)mm &amp;Weight(kg)</b>					
Dimension Cabinet	482*916*931	482*916*1550	650*1095 *2000	1050*1000 *2000	1300*1100 *2000
Dimension Power module	436*677*85		510*700*178		
Weight(kg) Cabinet	140	160	220	340	450
Weight(kg) Module	18		45		