



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 20

Three Phase Modular UPS

5KVA ~ 20KVA

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



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Three Phase Modular UPS  
5KVA ~ 20KVA



5KVA Power module

## highlights

- ① True double-conversion with DSP
- ① Output power factor 1
- ① Active power factor correction
- ① Modular connector box with hot-swappable function
- ① Standard 19" form factor with Tower/rack convertible design
- ① Parallel operation with common battery
- ① Maximum parallel quantity up to 3 units
- ① Adjustable battery numbers
- ① Up to 95% AC mode efficiency
- ① Eco mode operation for energy saving (ECO)
- ① Emergency power off function (EPO)

**METIS 20** is a modular, scalable online UPS with a flexible design that can be configured 3:3, 3:1 or 1:1 (input/ output phases) and can even be installed and integrated into existing rack cabinets.



Battery pack  
6pcs 12V/9Ah

METIS 20 MODULAR ONLINE UPS SELECTION GUIDE		
MODEL	MET20	
CAPACITY	20KVA/20KW	
Power modul capacity	5KVA/5KW	
<b>INPUT</b>		
Phase	3Pphase+Neutra+Ground , 380V/400V/415V (Line to Line) 22V/230V/240V (Line to Line)	
Nominal Voltage	277-478Vac (Line to Line) full load 147-277 VAC (Line to Line) , load decreases linearly from 100%~50%	
Frequency Range	50/60Hz	
Power Factor	>0.99	
THDi	<5% (100% Linear load)	
<b>OUTPUT</b>		
Output Voltage	220/230/240VAC(L+N)	
Voltage precision	± 2%	
Frequency Range (Synchronized Range)	50/60Hz ± 0.01%	
Power Factor	1	
Harmonic Distortion	≤ 1 % THD (Linear Load) ; ≤ 5 % THD (Non linear Load)	
Inverter Overload	Normal	<110% for 1hours; 110%~130% for 10 minutes; 130%~150% for 1 minutes; >130% for 200ms
	Battery	<110% for 10 minutes; 110%~1250% for 1 minutes; 125%~130% for 10s; >130% for 200ms
Dynamic recovery Time	<20ms (0%-100%-0% step Load)	
<b>BYPASS</b>		
Rate Voltage	220/230/240VAC(L+N)	
Frequency Range (Synchronized Range)	50/60Hz	
overload	125% long time operation; 125%~130% , last 5 minutes; 130%~150% for 1 minutes; >150% for 200ms	
<b>EFFICIENCY</b>		
AC Mode	94,5%	
ECO Mode	>98%	
Battery Mode	>90%	
<b>BATTERY/CHARGER</b>		
Battery Voltage	144VDC (12pcs)	
Charge Power	0-1.8A settable (each module)	
Charging Voltage precision	1%	
INDICATORS	LCD/LED Display , 7" touch screen and keyboard	
<b>PHYSICAL</b>		
IP Class	IP20	
Frame Cabinet	Dimension, D X W X H (mm)	443*695*928
	Net Weight (kgs)	66.5
Module	Dimension, D X W X H (mm)	200*431*84.5
	Net Weight (kgs)	7.5
Battery	Dimension, D X W X H (mm)	200*516*84.5
	Net Weight (kgs)	67.3 & 17.8 each pack
<b>ENVIRONMENT</b>		
Operation Humidity	0-95% Non- condensing	
Noise Level	Less than 55dB @ 100 Load	
IP Rating	IP 20	
<b>INTERFACE</b>		
Standard	RS232, RS484, USB, Dry contacts	
Optional	SNMP, AS400, Parallel kit, SPD, dust filter, LBS	
Standard	Safety: EIC/EN 62040-1; EMC:ICE/EN 62040-2 ; Performance: 62040-3	

Product specifications are subject to change without further notice.