



The Mod Series UPS is 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



Data Center



Medical  
equipment



Industry 4.0



Sensitive  
IT loads



Transportation



Critical  
buildings

# Mod

**UPS On-Line three phase 3/3**

**60KVA ~ 300KVA**

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

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## On-Line three phase 3/3 UPS 60KVA ~ 300KVA



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### highlights

- ① Front-access power module for easy installation and maintenance
- ① Parallel operation with common battery
- ① Power walk-in function
- ① Dual-mains inputs
- ① Built-in 4 switches including mains input, bypass input, output and maintenance bypass switch
- ① Flexible battery configuration and adjustable charging current
- ① Output power factor 1
- ① Active power factor correction in all phases



MOD080/100/120 open view



MOD180/200 door open view

MODEL	MOD060	MOD080	MOD100	MOD120	MOD180	MOD200	MOD240	MOD300	
PHASE	3-phase in/3-phase out								
CABINET CAPACITY	60KVA/60KW	80KVA/80KW	100KVA/100KW	120KVA/120KW	180KVA/180KW	200KVA/200KW	240KVA/240KW	300KVA/300KW	
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; 184-276 VAC @100% load	110-300 VAC @ 50% load; 190-276 VAC @100% load	110-300 VAC @ 50% load; 184-276 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	<4% @ 100% load							
OUTPUT									
Nominal Voltage	3 x 380/400/415 VAC (3Ph+N)								
Voltage Regulation (Steady state)	≤± 1% Typical (balanced load) ≤± 2% Typical (unbalanced 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) ; ≤4% THD (Non-linear Load)								
EFFICIENCY									
AC Mode	95,0%	95,5%							
ECO Mode	98,0%	98,5%							
Battery Mode	94,0%	94,5%							
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	+/- 192V ~ +/- 240V (Selectable)						
Maximum Voltage	+/- 240V (12V x 40 Pcs)								
Minimum Voltage	+/- 192V (12V x 32 Pcs)	+/- 240V	+/- 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)	18A (Adjustable)	24A (Adjustable)	36A (Adjustable)	54A (Adjustable)	54A (Adjustable)	72A (Adjustable)	90A (Adjustable)	
PHYSICAL									
IP Protection	IP 20								
Dimension (D x W x H) mm	1000 x 320 x 800	1000 x 430 x 1200	1000 x 430 x 1200	1000 x 430 x 1200	1000 x 600 x 1200	1000 x 600 x 1200	1000 x 600 x 1475	1000 x 600 x 1475	
Net Weight (kgs)	94	125	169	169	249	249	360	396	
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								
STANDARD									
Safety	IEC/EN 62040-1								
EMC	IEC/EN 62040-2 Category C3								

\*\*\*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.