

**MEDI**  
Series

**MODULAR UPS Series Technical Specifications**  
10 - 640 kVA 3 Phase Input / 3 Phase Output



MODEL	MEDI - 100	MEDI - 200	MEDI - 300	MEDI - 400	MEDI - 640
Power (kVA)	100	200	300	400	640
Module Quantity	10	8	12	10	16
Model of Power Module	MEDI - M10	MEDI - M25		MEDI - M40	
Module Power (kVA)	10	25		40	

**INPUT**

Voltage	380 / 400 / 415 Vac 3 Phase + N+ GND
Voltage Tolerance	±20%
Frequency	50 / 60 Hz
Frequency Tolerance	±20%
THDi	<3%
Power Factor	≥ 0.99

**OUTPUT**

Voltage	380 / 400 / 415 Vac
Voltage Regulation	±1 (Linear Load), ±2 (Non Linear Load)
Frequency	50 / 60 Hz
Frequency Tolerance	Synchronized to Network ±4%; Battery Mode ±0.2%
Recover Time	<20 ms. @ (0<Load<100)
Load Sharing Sensitivity	≤ 5%
Crest Ratio	3:1
Power Factor	0.8
THDv	≤1% Linear Load, ≤3% Non Linear Load
Total Efficiency	≥95% (AC - AC); ≥98% (DC - AC)
Overload	10 min. for 125% Load
Transfer Time	Online Mode - Battery Mode 0 ms, Bypass - Inverter <1ms

**BATTERY**

Voltage	±384 VDC
Voltage Tolerance	±384 VDC ~ ±440 VDC
Charge Duration	10 hour ( 2 hour back up)
Charge Current Limiting	Yes
Charge Voltage Stability	± 1%

**BYPASS**

Input Voltage	380 / 400 / 415 Vac ±20%
Input Frequency	50 / 60 Hz ±4%

**COMMUNICATION**

Interface	RS232, RS485, 8 ea. Dry Contact, TCP / IP Adapter
Display	LCD
Management System	UPSupervisor

**ENVIRONMENTAL**

Protection Level	IP30
Operating Temperature	-5°C ~ +40°C
Storage Temperature	-25°C ~ +60°C
Max. Elevation	≤ 1500 m
Cooling	Forced Air Cooling
Humidity	0 - 95% (Non condensing)
Acoustic Noise (1 m.)	≤ 55 dBA

**PHYSICAL**

Construction	Standard 19" Cabinet				
Weight	250	270	470	500	700

**STANDARDS**

Standards	IEC60950-1, EN 62040-1 (LVD), EN 62040-2 (EMC)
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**GENERAL FEATURES**

- 10-640 kVA Power Range
- Redundant and scalable system,
- It can be upgraded according to your requirement.
- It can work as 1-1, 1-3,3-1 and 3-3 Phase
- N + X redundancy, reliable performance.
- Share battery pack.
- Green and clean power,
- Small size, light weight.
- Easy maintenance, free replacement of the module.
- System controller for communication and diagnosis.
- Adopt centralized Static Switch module.

**MODULAR UPS**

N+X Modular design, full upgraded protection MEDI series power system structure is extremely flexible, the concept of power modular designing can be easily removed at runtime and installed without affecting system operation and output. When users want to add load to the UPS, only adding the required number of modules for expansion is needed.