

MEDI
Series

MODULAR UPS Technical Specifications
10-1560 kVA 3 Phase Input - 3 Phase Output Modular UPS



MODEL		MEDI-3400	MEDI-3520	MEDI-3800	MEDI-31040	MEDI-31560
Capacity (kVA/kW)	UPS Cabinet	400kVA/360kW	520kVA/468kW	800kVA/720kW	1040kVA/936kW	1560kVA/1404kW
	Module	40kVA/36kW				
INPUT						
Rated Voltage		380/400/415 Vac (3P+N+PE)				
Voltage Range		208~478 Vac				
Operating Frequency Range		40~70 Hz				
Power Factor		0.99				
Bypass Voltage Range		Max. Voltage: 220Vac: +25%(optional +10%, +15%, +20%) 240Vac: +15%(optional +10%)		Min.Voltage: -45% (optional -20%,-30%)		230Vac: +20%(optional +10%, +15%)
Harmonic Distortion (THDi)		<3% (100% nonlinear load)				
Generator Input		Yes				
OUTPUT						
Rated Voltage		380/400/415 Vac (3P+N+PE)				
Voltage Regulation		±1%				
Frequency	Line	±1%/±2%/±4%/±5%/±10% of the Rated Frequency (Optional)				
	Battery	50/60 ± 0,1 Hz				
Voltage Distortion (THDv)		≤2% (Linear Load); ≤5% (Non-Linear Load)				
Output Power Factor		0,9				
Crest Factor		3:1				
Efficiency		95%				
SYSTEM FEATURES						
UPS Type / Technology		Modular Type / True Online Double Conversion				
Transfer Time		Mains to Battery: 0 ms; Mains to Bypass: 0 ms				
Overload Capability	Line Mode	Load ≤110%: 60min; ≤125%: 10min, ≤150%: 1min, >150% turn to bypass mode immediately				
	Battery Mode	Load ≤110%: 10min; ≤125%: 1min, ≤150%: 1sec >150% turn to bypass mode immediately				
	Bypass Mode	Breaker (40k:95A)				
Short Circuit		Hold Whole System				
Noise Suppression		Complies with EN62040-2				
Communication Interface	UPS Cabinet	RS232, RS485, Dry Contact, 2x Intelligent Slot (SNMP Card, Relay Card optional)				
	MEDI Module	RS232				
BATTERY						
Battery Voltage		±192/204/216/228/240Vdc (Battery quantity Optional)				
Charge Current	UPS Cabinet	Max. 100A	Max. 130A	Max. 200A	Max. 260A	Max. 390A
	MEDI Module	Max. 10A				
ENVIRONMENT						
Operating Temperature		0°C ~ 40 °C				
Storage Temperature		-25°C ~ 55°C				
Relative Humidity		0-95% (Non-Condensing)				
Altitude		< 1500 m				
Audible Noise		< 73 dB				
STANDARDS						
LVD (Safety)		IEC/EN 62040-1 / IEC/EN 60950-1				
EMC		IEC/EN 62040-2 / IEC61000-4-2 / IEC61000-4-3 / IEC61000-4-4 / IEC61000-4-5 / IEC61000-4-6 / IEC61000-4-8				
PHYSICAL						
Dimensions (WxDxH) [mm]	UPS Cabinet	860x1200x2000	860x1800x2000	860x3000x2000	1100x4800x2000	
	MEDI Module	580x443x131 (3U)				
Weight [kg]	UPS Cabinet	750	860	1300	1810	2800
	MEDI Module	34				

FEATURES

- High Frequency and Double Conversion Online Technology
- Advanced PFC technology
- 3U Frame, Rack-Mounted and Tower Convertible
- EPO Function
- Wide Input Voltage Range
- Fully Digitized Microprocessor Control
- Parallel Redundancy
- Advanced Battery Management
- Lightning and Surge Protection, Short Circuit and Overload Protection
- Multilingual LCD and LED display
- EMI RFI Noise Filter
- Smart RS232 Communication with Monitoring Software
- Optional SNMP Card Slot

