

MODULAR UPS

RELIABLE POWER BACKUP
FOR SMART INFRASTRUCTURE



MEPU SERIES 3400 - 31560 KVA



Pure Sine
Wave Output



Intelligent
MicroProcessor
Control



Fast Charging
System



Overload & Short
Circuit Protection



Smart LCD
Display

MODULAR UPS Technical Specifications

3400-31560 KVA 3 Phase Input - 3 Phase Output Modular UPS

MODEL		MEPU-3400	MEPU-3520	MEPU-3800	MEPU-31040	MEPU-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%) 230Vac: +20%(optional +10%,+15%) 240Vac: +15%(optional +10%) Min.Voltage: -45% (optional -20%,-30%) Frequency Protection Range 10%
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 R 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% tun to bypass mode immediately
	Battery Mode	Load≤110%: 10min; ≤125%: 1min,≤150%: 1sec >150% tun 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

ESIS Power Energy reserves the right to modify these details at any time without prior notification.