

# MODULAR UPS

RELIABLE POWER BACKUP  
FOR SMART INFRASTRUCTURE



## MEPU SERIES 3060 - 3300 kVA



Pure Sine  
Wave Output



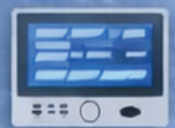
Intelligent  
MicroProcessor  
Control



Fast Charging  
System



Overload & Short  
Circuit Protection



Smart LCD  
Display

## MODULAR UPS Technical Specifications

### 3060-3300 kVA 3 Phase Input - 3 Phase Output Modular UPS

MODEL		MEPU-3060	MEPU-3100	MEPU-3200	MEPU-3250	MEPU-3090	MEPU-3150	MEPU-3300	
Capacity (kVA/kW)	UPS Cabinet	10-60k/9-54k	10-100k/9-90k	10-200k/9-180k	250k/225k	90k/81k	150k/135k	300k/270k	
	Module	10kV A/9kW;15kV A/13,5Wk;20kV A/18kW	25kVA/22,5kW	25kV A/22,5kW: 30kV A/27kW					
<b>INPUT</b>									
Rated Voltage	380/400/415 Vac (3P+N+PE)								
Voltage Range	208~478 Vac								
Operating Frequency Range	40~70 Hz								
Hammonic Distortion (THDi)	<3% (100% Linear Load)								
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 Range10%								
Hammonic Distortion (THDi)	<2% (100% Non-Linear Load)				<3%(100% Non-Linear Load)				
Generator Input	Yes								
<b>OUTPUT</b>									
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)								
Power Factor	0,9								
Crest Factor	3:1								
Efficiency	95,5%				95%				
<b>SYSTEM FEATURES</b>									
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 (10k:20A, 15k:32A, 20k:40A) Breaker(25k:40A, 30k:60A)							
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							
<b>BATTERY</b>									
Battery Voltage	±192/204/216/228/240Vdc (Battery quantity Optional)								
Charge Current	UPS Cabinet	Max. 18A	Max. 30A	Max. 60A	Max. 60A	Max. 30A	Max. 50A	Max. 100A	
	MEDI Module	Max. 6A			Max. 6A	25 kVA: 6A Max; 30 kVA: 10A Max			
<b>ENVIRONMENT</b>									
Operating Temperature	0°C ~ 40 °C								
Storage Temperature	-25°C ~ 55°C								
Relative Humidity	0-95% (Non-Condensing)								
Altitude	< 1500 m								
Audible Noise	< 65 dB				< 70 dB				
<b>STANDARDS</b>									
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								
<b>PHYSICAL</b>									
Dimensions (WxDxH) [mm]	UPS Cabinet	600x840x1400			600x1100x2000		840x600x1400		1100x600x2000
	MEDI Module	580x443x131 (3U)							
Weight [kg]	UPS Cabinet	149	152	290		158	170	307	
	MEDI Module	10 kVA:26; 15 kVA:30; 20 kVA:31			32	25 kVA:32; 30 kVA:33,5			

### 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.