

Magna Tower Online UPS, 3:3 Phase, PF 1.0, 180 TO 200KVA

Reference Standard-Safety - IEC/EN62040-1, IEC/EN62477-1

EMC - IEC/EN62040-2, IEC61000-4-2, IEC61000-4-3, IEC61000-4-4, IEC61000-4-5, IEC61000-4-6, IEC61000-4-8



- Touch LCD Display
- True Double Conversion
- Unity Power Factor
- Low THDi to reduce power system pollution
- Programmable Outlets
- ECO Mode for Energy Saving
- Adjustable charging current
- EPO Function
- Network Manageable

High Reliability Design

- Wide input voltage range 138-485Vac (Phase voltage 80-280Vac), no derating when input voltage ≥ 305 Vac.

Strong Load Capacity

- Output power factor is 1.0, UPS can supply power to 100% unbalance load.
- High adaptability for load, it can connect full inductive load or capacitive load.

Power Saving

- High input power factor, it can be up to 0.99
- Three level inverter topology, the efficiency can be up to 96%.

Parallel Redundancy Function

- Support parallel expanded operation:maximum is 6 units.
- Support sharing batteries for the UPS in parallel.

LBS Function

- LBS function can realize 2 independent UPS system work in synchronization, and it enhances the reliability of the system.



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Flexible Battery Configuration

- Batteries number of each group can be selected from 30 pieces to 50 pieces.
- Large charging current can meet the requirement of long time backup.

Intelligent Management

- Support USB,RS485, RS232, SNMP, dry contact card.



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Technical Specifications

Model	E180MET33	E200MET33
Phase	3-Phase In / 3-Phase Out	
Capacity (VA/Watts)	180kVA / 180kW	200kVA / 200kW
Input		
Nominal Voltage	380/400/415Vac (3Ph+N+PE)	
Operating Voltage Range	138~485Vac @40%load; 305~485Vac @full-load	
Operating Frequency Range	40~70Hz (50/60Hz Auto-Sensing)	
Power Factor	>=0.99	
Harmonic Distortion (THDi)	≤ 3% (100% Linear load)	
Bypass Voltage Range	Max.voltage:220V:+25% (Optional+10%,+15%,+20%), 230V:+20% (Optional+10%,+15%), 240V:+15% (Optional+10%); Min.voltage:-45% (Optional-20%,-30%)	
Frequency Protection Range	50/60Hz ± 10%	
Generator Input	Support	
Output		
Output Voltage	380/400/415Vac (3Ph+N+PE)	
Voltage Regulation	± 1%	
Power Factor	1.0	
Output Frequency	1.Line Mode: ±1%/±2%/±4%/±5%/±10% of the rated frequency (Optional) 2.Battery Mode : (50/60 ± 0.1)Hz	
Crest Factor	3:1	
Harmonic Distortion (THDi)	≤ 1% with linear load ≤ 3% with non linear load	
Overload	INV Mode	≤ 110% overload 60 min; ≤ 125% overload 10 min; ≤ 150% overload 1 min, to Bypass
	Bypass Mode	135% overload long time; >1000% overload 100 ms
Efficiency	96%	
Battery		
Battery Voltage	Optional Voltage: ±180V/±192V/±204V/±216V/±228V/±240/±252/±264/±276/±288/±300Vdc (30/32/34/36/38/40/42/44/ 46/48/50pcs optional); 360Vdc~600Vdc (30~50 pcs, 30 pcs default; 32~50 pcs output power factor 0.9; 30 pcs output power factor 0.8;)	
Charge Current(A) (charge current can be set according to battery capacity installed)	60A Max.	60A Max.



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Technical Specifications

Model	E180MET33	E200MET33
System Features		
Transfer Time	Utility to Battery : 0ms; Utility to bypass: 0ms	
Backfeed Protection	Support	
Alarm	Overload, utility abnormal, UPS fault, battery low, etc.	
Protection	Short circuit, overload, over temperature, battery low, fan fault alarm.	
Remote LCD	Support	
Communication	USB, RS232, RS485, Parallel port, dry contact, Intelligent slot, LBS, SNMP card (optional), Relay card (optional)	

Environmental

Operating Temperature	0°C~40°C	
Storage Temperature	-25°C~55°C (no battery)	
Humidity Range	0~95% (Non-condensing)	
Altitude	< 1500m. When > 1500m, lower the rated power for use	
Noise Level	<64dB	< 65dB

Physical

Dimension W x D x H (mm)	442 x 850 x 1200	442 x 850 x 1200
Net Weight (kgs)	230	230

