

Magna Tower UPS, 3:3 Phase, PF 1.0, 10kVA To 20kVA

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



Features

- High power density design
- N+X parallel redundancy, support maximum 4 units in parallel
- Online double conversion with DSP control
- Input current harmonic: <3%
- Wide input voltage range: 208~478Vac
- Wide input frequency range 40~70Hz
- Optimization battery group, the quantity of battery
10~30kVA: 16/18/20pcs (30~50pcs is optional) 40kVA: 30~50pcs
- Maximum charging current up to 20A (Settable)
- Dual input source (optional for standard unit)
- Colorful 2.4 inch TFT LCD display and 7 inch LCD display LCD are optional
- Versatile LCD human-computer interface
- Generator compatible
- ECO mode operation for energy saving
- Intelligent fan speed regulation
- Self-testing when UPS startup
- 50/60Hz frequency converter mode
- The output can meet 100% unbalanced load
- Multiple protection function: short-circuit, overload, overheat, battery overcharge and overdischarge, output low voltage and fan fault alarm
- Multiple communication interface: USB, RS232, RS485, Parallel port, Dry contact, Intelligent slot, SNMP card (Optional), Relay card (Optional), Battery temperature sensor (Optional)

Additional Features



Optimized Battery
Configuration 7Ah/9Ah (12V)



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Technical Specifications

Model	E010MET33	E015MET33	E020MET33		
Capacity	10kVA / 10kW	15kVA / 15kW	20kVA / 20kW		
Input					
Nominal Voltage	380/400/415Vac (3Ph+N+PE)				
Operating Voltage Range	305~478Vac(Full load); 208~478Vac(50% load)				
Operating Frequency Range	40~70Hz (50/60Hz Auto-Sensing)				
Power Factor	≥ 0.99				
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					
Frequency Protection Range	50/60Hz±10%				
ECO range	Same as bypass				
Harmonic distortion (THDi)	$\leq 3\%$ Linear load				
Output					
Output Voltage	380/400/415Vac (3Ph+N+PE)				
Voltage Regulation	$\pm 1\%$				
Power Factor	1.0				
Voltage Regulation	Line Mode	$\pm 1\%/\pm 2\%/\pm 4\%/\pm 5\%/\pm 10\%$ of the rated frequency (Optional)			
	Bat. Mode	(50/60±0.1%) Hz			
Transfer Time	AC mode to Bat. Mode	0ms			
	Inverter to Bypass	0ms			
Output Waveform	Pure Sinewave				
Crest Factor	3:1				
Harmonic distortion (THDv)	$\leq 2\%$ Linear load $\leq 5\%$ Non linear load				
Overload	AC mode	$\leq 110\%$, last 60min; $\leq 125\%$, last 10min; $\leq 150\%$, last 1min; $>150\%$ turn to bypass Immediately			
	Bat.mode	$\leq 110\%$, last 10min; $\leq 125\%$, last 1min; $\leq 150\%$, last 5s; $>150\%$ turn to bypass Immediately			
Efficiency					
Efficiency		up to 93.5%	up to 94.5%		



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Technical Specifications

Model	E010MET33	E015MET33	E020MET33
Capacity	10kVA / 10kW	15kVA / 15kW	20kVA / 20kW
Output			
Battery Voltage	External unit	10~30kVA (Optional): ±180/192/204/216/228/240/252/264/276/288/300Vdc (30/32/34/36/38/40/42/44/46/48/50pcs optional)	
Charge Current	External unit	14A Max.	16A Max.
Physical			
Dimension W x D x H (mm)	External unit	250 x 580 x 655	
Net weight (kg)	35	39	40
Environmental			
Operating Temperature	0°C ~ 40°C		
Storage Temperature	-25°C ~ 55°C (No battery)		
Humidity Range	0~95% (Non condensing)		
Altitude	<1500m, derating required when >1500m		
Noise Level	<55dB		<58dB

