

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

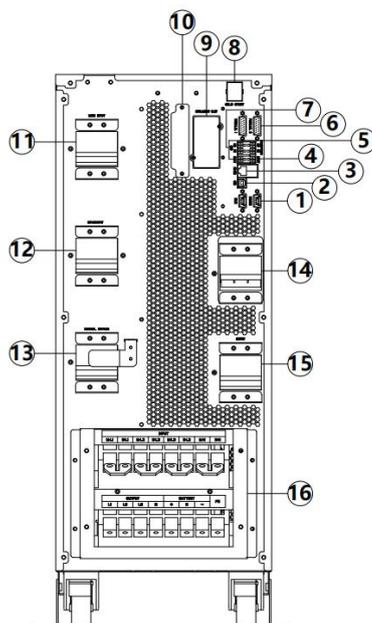
Reference Standard- Safety : IEC/EN 62040-1; EMC: IEC/EN 62040-2;
Performance: IEC/EN 62040-3



Features

- High power density design
- Can parallel upto 8 units
- Online double conversion with DSP control
- Input current harmonic:<3%
- Wide input voltage range: 152~478Vac
- Wide input frequency range 40~70Hz
- Supports 3/3, 3/1, 1/1 configuration without derating for 10/15/20kVA
- Efficient Battery Management with Smart Charging Control Function
- Full 1.0 Unity Output Power Factor
- 7 Inch Touch LCD Screen with Advanced Monitoring functions
- 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

Connection Diagram



1. RS232
2. USB
3. RS485
4. Maintenance Status
5. Battery Temperature Compensation
6. Parallel Communication Port
7. Remote EPO
8. Battery Cold Start
9. Intelligent Slot
10. Programmable Dry Contacts
11. Rectifier Input Breaker
12. Bypass Input Breaker
13. Maintenance Bypass Breaker
14. Battery Breaker
15. Output Breaker
16. Connection Terminals



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Technical Specifications

Model	E010MPET33	E015MPET33	E020MPET33
Capacity	10kVA / 10kW	15kVA / 15kW	20kVA / 20kW

Input

Nominal Voltage	380/400/415VAC (3Ph+N+PE)
Operating Voltage Range	152 ~ 478VAc
Operating Frequency Range	40~70Hz (50/60Hz Auto-Sensing)
Power Factor	≥0.99
Bypass Voltage Range	Upper limit: 380V+25% (+10%, +15%, +20%, settable); 400V+20% (+10%, +15%, settable); 415V+15% (+10%, settable); Lower limit: -45% (-10%, -20%, -30%, settable)

Frequency

Frequency Protection Range	50/60Hz±10%
ECO range	Same as bypass
Harmonic distortion (THDi)	≤3% (100% linear load)

Output

Output Voltage	380/400/415Vac (3Ph+N+PE)	
Voltage Regulation	± 1%	
Power Factor	1.0	
Voltage Regulation	Line Mode	±1%/±2%/±4%/±5%/±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)	≤2% Linear load ≤5% Non linear load	
Overload	AC mode	≤110%, last 60min; ≤125%, last 10min; ≤150%, last 1min; >150% turn to bypass Immediately
	Bat.mode	≤110%, last 10min; ≤125%, last 1min; ≤150%, last 5s; >150% turn to bypass Immediately

Efficiency

Efficiency	up to 96%
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Technical Specifications

Model	E010MPET33		E015MPET33		E020MPET33	
Capacity	10kVA / 10kW		15kVA / 15kW		20kVA / 20kW	
Output						
Battery Voltage	External unit	±240VDC (±180VDC ~ ±300VDC)				
Charge Current	External unit	1-5A - Configurable				
Number of Batteries	External					
Physical						
Dimension W x D x H (mm)	281 x 822 x 727					
Net weight (kg)	44		45		52	
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	50dB		52dB		54dB	

