

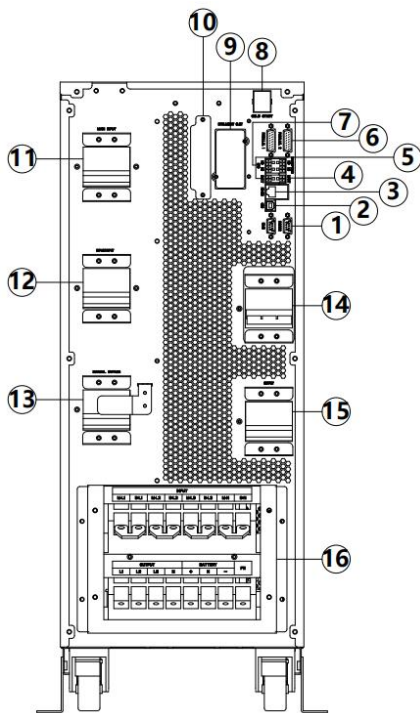
ExTell Magna Pro Tower UPS 3:3 10kVA ~ 40kVA, PF 1.0, with External Battery

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



Features

- High power density design
- N+X parallel redundancy, support maximum 8 units in parallel
- Online double conversion with DSP control
- Input current harmonic: <3%
- Wide input voltage range: 152~478Vac
- 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 15A (Settable)
- 3 Level IGBT Inverter Technology
- Colorful 7 inch Touch LCD display with detailed operational inputs
- Versatile LCD human-computer interface
- Intelligent Battery Management with Smart charging Control
- ECO mode operation for energy saving
- Intelligent fan speed regulation
- Self-testing when UPS startup
- 3/3, 3/1, 1/1 configuration available for 10/15/20kVA without derating
- 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, Relay card



1. RS232 Port
2. USB Port
3. RS485 Port
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	E030MPET33	E040MPET33
Capacity (W)	10kVA / 10kW	15kVA / 15kW	20kVA / 20kW	30kVA / 30kW	40kVA / 40kW

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% Linear load

Output

Output Voltage		380/400/415Vac (3Ph+N+PE)
Voltage Regulation		±1%
Power Factor		1.0
Frequency Regulation	Line Mode	±1%/±2%/±4%/±5%/±10% of the rated frequency
	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	96%
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Output

Battery Voltage	External unit	±240VDC (±180VDC---±300VDC)	
Charge Current	External unit	1 ~ 5A Settable	1 ~ 15A Settable

Physical

Dimension W x D×H (mm)	281 x 822 x 727				
Net weight (kg)	44	45	52	55	62

Environmental

Operating Temperature	Operating - 0°C ~ 40°C, Storage - -25°C ~ 55°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	56dB	58dB

