

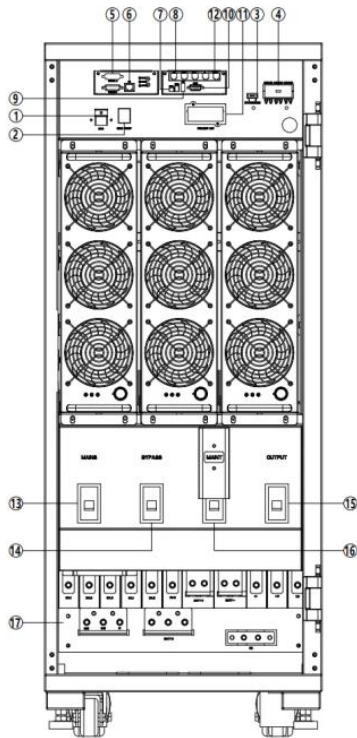
ExTell Magna Pro Tower External UPS, 3:3 Phase, PF 1.0, 160kVA

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 30A (Configurable)
 - 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
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- 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



Front Side

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



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Technical Specifications

Model		E160MPET33
Capacity (W)		160kVA / 160kW
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%
Output		
Battery Voltage	External unit	±240VDC (±180VDC ~ ±300VDC)
Charge Current	External unit	1 ~ 45A Configurable
Physical		
Dimension W x D×H (mm)		470 x 895 x 1175
Net weight (kg)		340
Environmental		
Operating Temperature		Operating - 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		65dB

