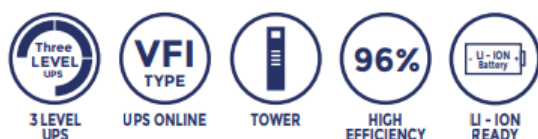


MTN-eLite Series

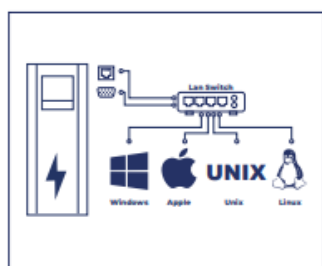
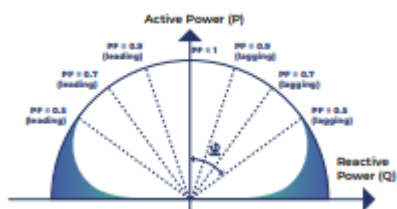
Single Phase UPS from 6 - 20 kVA



Product

MTN-Elite UPS is designed and built using state-of-the-art technology and components to provide maximum protection to the powered loads with no impact on downstream systems and optimised energy savings. The series includes 6-20 kVA single/single phase models with on-line double conversion technology (VFI) with latest three level technology. The load is powered continuously by the inverter which supplies a sinusoidal voltage, filtered and stabilised in terms of form and frequency. Input and output filters provide significant further immunity from mains disturbances and lightning strikes.

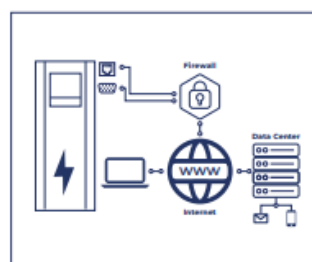
In terms of technology and performance, MTN-Elite is one of the best UPS available on the market today: three level inverter to achieve 95% efficiency at half load, output power factor 1 to increase in efficiency of system and devices and reduce power system losses.



Features

Three level Technology, Compact and Robust, MTN-elite monoline is the perfect UPS to protect and supply loads in the industrial fields and critical applications.

- Three Level Technology
- On Line-Double Conversion Technology (Class VFI-SS-111)
- IGBT PWM Rectifier & Inverter Technology
- High Efficiency up to 95,5%
- Higher efficiency with eco mode up to 98%
- High Input Power Factor (>0.99)
- Low Input THD ($\leq 5\%$)
- Increase battery life time up to 35% with smart charger
- Temperature compensation battery charging
- Higher fan life time with Intelligent fan speed control
- Operate as frequency converter (50 Hz / 60 Hz)
- Short Circuit, Overload, Lightning and Surge Protection
- Perfect Generator Compatibility
- Easy Service with Manual bypass
- Variable input low voltage depending on loading percentage (up to -40%)
- Parallelable with Common or Separate Battery Cabinet
- Realtime warnings at LCD screen



Model	MTN-e1106	MTN-e1110	MTN-e1115	MTN-e1120
Nominal power (kVA)	6	10	15	20
General Specs				
Technology	Three Level On-Line double conversation VFI-111			
Waveform	Sinusoidal			
Architecture	Stand Alone or Optional Parallel			
Input				
Input voltage	220, 230, 240 V 1PH+N+PE	220, 230, 240 V 1PH+N+PE / 380, 400, 415 V 1PH+N+PE		
Input frequency	45-65 Hz			
Voltage Tolerance	(%100 load) (-20)% (+20)%			
Voltage Tolerance	(%50 load) (-40)% (+20)%			
Input Power Factor	>0.99			
Input Current Harmonic	≤5%			
Output				
Output voltage	220,230,240 V 1 Ph+ N+PE (Adjustable from front panel)			
Output Voltage Tolerance	+1%			
Overall Efficiency (AC-AC)	Up to 95.5 % (At half load)			
Ecomode Efficiency	Up to 98.5%			
Nominal Output Frequency	50/60Hz +0.01 free run (Adjustable from LCD Panel)			
Crest Factor	3:1			
Output Power Factor	1.0			
THD of Output Voltage	<2% (at full linear load)			
Bypass				
Overload Capability	150% for 1 minutes			
Bypass	Built in Automatic and Maintenance Bypass			
Voltage Tolerance	±10%			
Battery				
Battery Type	VRLA-AGM / GEL / NiCd / Li-ion			
Battery Test	Automatic or Manual			
Battery Recharge Time	<6h-8h			
Charger Capacity				
Standard Model (max)	1A	4A		
with Charger Option	4A / 13A			
Battery Quantity				
with Internal Battery (12V 7/9Ah)	20 pcs	28 pcs		
External Cabinet with 4A Charger Option	20-40 pcs (Default 30 pcs)	30-40 pcs (Default 30 pcs)		
External Cabinet with 13A Charger Option	30-46 pcs (Default 30 pcs)			
Communication and Accessories				
LCD Display	Graphical lcd screen, Led bar status			
Communication ports (Optional)	RS485, Genset, SNMP, GSM Modem, Relay Contacts, Input Contacts, Modbus and USB			
Accessories (Optional)	Galvanic Isolation Transformer, Remote Monitoring Panel			
Physical Characteristics				
Dimensions H x W x D (mm)	635X256X580	735X256X673		
Net Weight (kg)	30	38	40	50
Ambient Conditions				
Operating temperature	(°C) 0°C - 40°C			
Storage temperature	-15°C+ 55°C			
Relative Humidity (%)	< 95% not condensing			
Noise (at 1 meter)	< 55 dBA			
Protection Class	IP 20			
Compliance				
Reference Product	Standards EN 62040-1-1 (Safety), EN 62040-2 (EMC), EN 62040-3 (Performance)			