

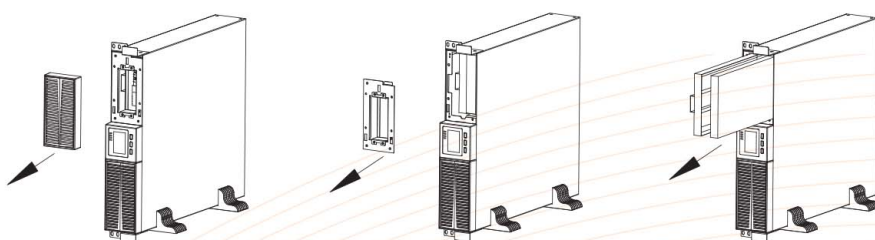
Maxtron MX-EP Series

Rack / Tower Convertible

1kVA - 3kVA



Adjustable LCD/LED panel



Easy for maintenance, hot-swappable battery

Features

- High Frequency On-line Double Conversion Technology
- DSP (Digital Signal Processors) Control Technology9
- Active Power Factor Correction (APFC), Input Power Factor Up to 0.99
- Output Power Factor 0.9
- Wide Input Voltage Range (110V ~ 300Vac) and Frequency range (40 ~ 70Hz)
- Auto Sensing Frequency
- 50 / 60Hz Frequency Conversion
- Cold Start
- Rear Ventilation Design and Variable Speed Fan
- Effective Software and Hardware Protection
- Quick and Stable Charging, 90% Capacity Restored in 3 h (Standard Model UPS)
- Linear Derating in Low Voltage Input Reducing Battery Discharging Times
- Settable Delayed Start When Power is Restored
- Hot-swappable Battery
- Advanced Battery Management (ABM)
- Multiple Functions Settable via LCD: Output Voltage, EOD, Autostart, Bypass Mode, ECO Mode and Frequency Conversion Mode
- Multi-platform Communications: RS232 (Standard), USB / RS485 / SNMP / Dry Contacts (optional)

Available Options

- Optional USB, RS485 Card, AS400 Dry Contacts, SNMP Card, SMS Alarms, EPO Function, MBS (External Maintenance Bypass Switch)



TRUE ONLINE UPS

MAXTRON MX-EP SERIES

Rear panel

- | | |
|---------------------------|---------------------|
| 1. Overcurrent Protection | 6. RS232 |
| 2. AC Input | 7. EPO (optional) |
| 3. DC Input | 8. USB (optional) |
| 4. Outlets | 9. Intelligent Slot |
| 5. Fan | |



MODEL	MX 1000EP		MX 1000EPR		MX 2000EP		MX 2000EPR		MX 3000EP		MX 3000EPR	
Capacity	1 kVA / 900 W				2 kVA / 1800 W				3 kVA / 2700 W			
INPUT												
Rated voltage	208 / 220 / 230 / 240 Vac											
Voltage range	110 ~ 176 Vac (linear derating between 50% and 100% load); 176 ~ 280 Vac (no derating); 280 ~ 300 Vac (derating 50%)											
Frequency	40 ~ 70 Hz (auto-sensing)											
Power factor	≥ 0.99											
Bypass voltage range	-25% ~ +15% (settable)											
Total harmonic distortion (THDi)	≤ 6%											
OUTPUT												
Voltage	208 / 220 / 230 / 240 Vac (settable via LCD)											
Voltage regulation	± 1%											
Frequency	45 ~ 55 Hz or 55 ~ 65 Hz (synchronized range); 50 / 60 Hz ± 0.1 Hz (battery mode)											
Waveform	Sinusoidal											
Power factor	0.9											
Total harmonic distortion (THDv)	≤ 2% (linear load); ≤ 5% (non-linear load)											
Crest factor	3:1											
Overload	105% ~ 125% for 1 min, 125% ~ 150% for 30 s, > 150% for 300 ms											
BATTERIES												
DC voltage	24 V(S)	36 V(S)	24 / 36V(H)	48 V(S)	72 V(S)	48 / 72V(H)	72 V(S)	72 / 96 V(H)				
Inbuilt battery	2 × 9Ah	3 × 7Ah	/	4 × 9Ah	6 × 7Ah	/	6 × 9 Ah	/				
Charging current (max.)	1 A		6 A	1 A		6 A	1 A		6 A			
Recharger time	Standard model: 90% capacity restored in 3 hours; Long time model: depend on the capacity of battery											
SYSTEM												
Efficiency	≥ 90% (Mains mode)				≥ 91% (Mains mode)				≥ 92% (Mains mode)			
	≥ 85% (Battery mode)				≥ 86% (Battery mode)				≥ 87% (Battery mode)			
	≥ 95% (ECO mode)				≥ 96% (ECO mode)				≥ 97% (ECO mode)			
Transfer time	Mains mode to battery mode: 0 ms Inverter mode to bypass mode: 4 ms (typical)											
Protections	Short-circuit, overload, overtemperature, battery discharge protection and fan testing protection											
Communications	RS232 (standard), USB / RS485 / dry contacts / SNMP (optional)											
Display	LCD + LED											
Standards	EN 62040-1, EN 62040-2, EN 61000-3-2, EN 61000-3-3, IEC 61000-4-2, IEC 61000-4-3, IEC 61000-4-4, IEC 61000-4-5, IEC 61000-4-6, IEC 61000-4-8, IEC 61000-4-11, IEC 61000-2-2, IEC 62040-2, IEC 62040-1											
OTHERS												
Operating temperature	0°C ~ 40°C											
Storage temperature	-25°C ~ 55°C (without batteries)											
Relative humidity	0~95% (non-condensing)											
Altitude	≤ 1000 m, derating 1% for each additional 100 m											
IP rating	IP 20											
Noise level at 1m	≤ 50 dB											
Dimensions (W × D × H) (mm)	440 × 338 × 88	440 × 444 × 88	440 × 468 × 88	440 × 528 × 88	440 × 728 × 88	440 × 468 × 88	440 × 728 × 88	440 × 468 × 88				
Packaged dimensions (W×D×H) (mm)	545 × 485 × 201	545 × 568 × 201	545 × 592 × 201	545 × 652 × 201	545 × 852 × 201	545 × 592 × 201	545 × 852 × 201	545 × 592 × 201	545 × 592 × 201			
Net weight(kg)	12.3	15.8	7.6	21.9	27.2	9.7	30.6	10.1				
Gross weight(kg)	14.3	18.9	11.1	25.5	31.3	13.2	34.0	13.6				

•Derate capacity to 70% in CUCF mode and to 90% when the output voltage is adjusted to 208 Vac.

•S means standard model, H means long time model.

•All specifications are subject to change without notice.

•Custom-made specifications are acceptable.



POWER LOGIC