

MAXTRON EP EPS SERIES

40kVA - 120kVA (3:3) PF1.0

TRUE ONLINE 3 PHASE UPS
- Three Phase



Features

- Advanced Dual-core DSP Control Technology and 3-Level Technology
- Output Power Factor 1.0
- Active Power Factor Correction Technology, Input Power Factor Up to 0.99
- System Efficiency Improved to 96%, Energy Saving Rate is Doubled
- Working Efficiency Up to 99% in ECO Mode
- Dual Input Design, Supporting Independent Bypass
- Advanced Digital and Parallel Technology, Providing Higher Reliability Than Single System
- Wide Input Voltage Range, 50 / 60Hz Auto-sensing Frequency
- 50Hz / 60Hz Frequency Conversion Mode
- Compact Internal Layout, Small Footprint
- Fan Speed Varies Intelligently With Temperature, Reducing Noise and Extending its Service Life
- Features Strong Fault Tolerance, One Fan Damaged takes 50% of The Load, Two Fans Damaged Take 30% of The Load
- Conformal Coating Technology to Make UPS Operate In Harsh Environment For a Long Time
- Effective Hardware and Software Protection, Robust Self-diagnosis Function, Abundant Event Log For Future Check
- Linear Downgrading in Low Voltage Input Reducing Battery Discharging Times
- Flexible Battery Configuration Setting, Selectable Battery Numbers: 32 ~ 40pcs
- Digitally Controlled Charger (Max. 36A)
- Ability to Switch On The UPS by Battery in The Absence of Mains Power (Cold Start)
- Zero Switching Time for UPS Power Supply Mode When The Mains Power is Unstable, Ensuring The Output is Uninterrupted
- Settable Delayed Start Time When Mains Power is Restored
- 5 Inches / 7 Inches LCD Colorful Screen, Friendly Human & Machine Interface
- Powerful Background Software for Parameters Configuration And Online Upgrade
- Advanced Multi-platform Communication for UPS Monitoring: RS232, USB, RS485, NET, Dry Contacts, SNMP Card, Wifi Card and GPRS Card
- Intelligent Battery Management, Automatic Equalized and Float Charging Control, Charger Dormancy Control, Improving the Reliability of Charger and Extending the Battery Life
- Options and accessories: RS232, USB, RS485, NET, Parallel, LBS, Dry Contacts, EPO and Battery Temperature Compensation Interface Supplied; Optional SNMP Card, Wi-fi Card, GPRS Card, Battery Temperature Sensor, EMD Detector and SMS Alarms



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3 : 3 / PF1.0

Technical Specification

MODEL	MX-40KEPS	MX-60KEPS	MX-100KEPS	MX-120KEPS
Capacity	40kVA / 40kW	60kVA / 60kW	100kVA / 100kW	120kVA / 120kW
INPUT				
Input wiring	Three-phase five-wire (3Φ + N + PE)			
Rated voltage	380 / 400 / 415 Vac			
Voltage range	304 - 485 Vac (no downgrading), 138 - 304 Vac (linear downgrading between 40% - 100% load)			
Rated frequency	50 / 60 Hz (auto-sensing)			
Frequency range	40 - 70 Hz			
Power factor	≥ 0.99			
Bypass voltage range	-60% - +20% (settable)			
Total harmonic distortion (THDi)	≥ 3%			
OUTPUT				
Output wiring	Three-phase five-wire (3Φ + N + PE)			
Rated voltage	380 / 400 / 415 Vac			
Voltage regulation	±1%			
Frequency	Synchronized with utility in mains mode, 50 / 60 Hz ±0.1% in battery mode			
Waveform	Sinusoidal			
Power factor	1			
Total harmonic distortion (THDv)	≤ 1% (linear load); ≤ 4% (non-linear load)			
Crest factor	3 : 1			
Overload	105% -110% for 60 min, 110% - 125% for 10 min, 125% - 150% for 1 min, >150% for 0.2 s			
BATTERIES				
DC voltage	40 kVA built-in battery (64 pcs 12 V x 9 Ah)			
Number of battery	32 - 40 pcs settable			
Charging current (max.)	1A - 12A	1A - 18A	2A -36A	
Recharge time	Depend on the capacity of battery			
SYSTEM				
Efficiency	Max. 96% in online mode, 99% in ECO mode			
Transfer time	0 ms			
Protections	Short-circuit, overload, overtemperature, excessive low battery, overvoltage, undervoltage, fans failure			
Max. number of parallel	4			
Communications	Standard configuration : RS232, USB, RS485, NET, dry contacts ; Optional configuration : SNMP card, Wi-Fi card, GPRS card			
Display	5 Inches Colorful LCD Screen		7 Inches Colorful LCD Screen	
OTHERS				
Operating temperature	0°C ~ 40°C			
Storage temperature	-25 °C ~ 55°C (without battery)			
Relative humidity	0% - 95% (non-condensing)			
Altitude	≤ 1000 m; above 1000 m, downgrading 1% for each additional 100 m			
IP rating	IP 20			
Noise level at 1 m	≤ 65 dB			
Dimensions (W x D x H) (mm)	300 x 815 x 1000		440 x 850 x 1200	
Net weight (kg)	56, 233 (built-in BAT)	74	156	198

- All specifications are subject to change without notice.
- Custom-made specifications are acceptable.



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POWER LOGIC

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