

MAXTRON II SERIES

6KVA - 10KVA

TRUE ONLINE UPS
- Single Phase

Features

- Strong overload capability
- Output Power Factor 1.0
- High efficiency up to 94%
- Built-in back-feed relay
- Built-in OVCD protection
- Large charger up to 8A for longrun model
- Wide input voltage range (110-300 VAC)
- Active input power factor correction 0.99
- 50Hz/60Hz frequency converter mode
- Emergency power off function (EPO)
- ECO mode for energy saving
- Generator compatible
- SNMP/USB/RS-232 communications
- Adjustable battery numbers
- Optional compatible with Lithium battery (192-240VDC)



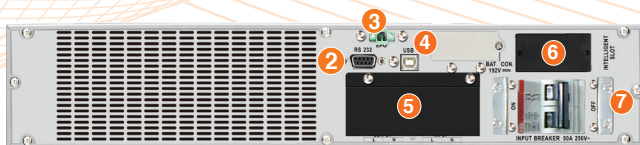
Maxtron II Series

Maxtron II 6KVA - 10KVA Series Front and Rear Panel

- | | |
|------------------------------|--------------------------|
| 1. LCD and LED Interface | 5. Input Output Terminal |
| 2. RS-232 Port | 6. Intelligent Slot |
| 3. EPO (Emergency Power Off) | 7. Input Breaker |
| 4. USB Port | |



Front Panel of MAXTRON II Series



Rear Panel of MAXTRON II Series



MAXTRON II SERIES

Technical Specification

MODEL		MAXTRON II MX-6KR / MX-6KRS	MAXTRON II MX-10KR / MX-10KRS
Phase		1 Phase In / 1 Phase Out	
Capacity*		6000 VA / 6000 W	10000 VA / 1000 W
INPUT			
Nominal Voltage		208 / 220 / 230 / 240VAC	
Voltage Range		110-300 VAC ± 3% at 50% Load 176-300 VAC ± 3% at 100% Load	
Frequency Range		46 Hz ~ 54 Hz or 56 Hz ~ 64 Hz 40 Hz ~ 70 Hz (In generator mode)	
Power Factor		≥ 0.99 @ Full load	
OUTPUT			
Output Voltage		208 / 220 / 230 / 240 VAC	
AC Voltage Regulation (Batt. Mode)		± 1%	
Frequency Range (Synchronized Range)		46 Hz ~ 54 Hz or 56 Hz ~ 64 Hz	
Frequency Range (Batt. Mode)		50 Hz ± 0.1 Hz or 60 Hz ± 0.1 %	
Current Crest Ratio		3:1	
Harmonic Distortion		≤ 1%THD (Linear Load) ; ≤ 4%THD (Non-linear Load)	
TOPOLOGY			
Transfer Time	AC Mode to Batt.Mode	Zero	
	Inverter to Bypass	Zero	
Waveform (Batt. Mode)		Pure Sinewave	
EFFICIENCY			
AC Mode		94%	
Battery Mode		92%	
BATTERY			
Battery Capacity		12V / 7AH	12V / 9AH
Number of Batteries (WPS Model)		16 - 20 (configurable)	
Typical Recharging Time		9 hours recover to 90% capacity	
Charging Current (Max.)		1A (default)	
COMMUNICATIONS / MANAGEMENT			
Smart RS-232 / USB		Supports Windows® 2000 / 2003 / XP / Vista / 2008 , Windows® 7 / 8, Linux, Unix and MAC	
Intelligent Slot		SNMP / AS400 Card	
STANDARDS / APPROVALS			
Compliances		CE	
IP Rating		IP 20	
ENVIRONMENT			
Operating Temperature		0℃ ~ 40℃	
Relative Humidity		20-95 % (non-condensing)	
Acoustic Level at 1m		≤ 55dB @ 1Meter	
PHYSICAL PROPERTIES			
Dimensions (W x D x H) mm		438 x 515 x 88	
Net Weight (kg)		11.0	12.1
WARRANTY & SUPPORT			
Product Warranty		3 Years Warranty on UPS Parts and Labour. 2 Years on Warranty on VRLA Rechargeable Batteries.	

* Derate capacity to 60% of capacity in frequency converter mode and to 90% when the output voltage is 208VAC.

• Specification contained in this document, and to prices are reserved; so are errors and omissions. Only order confirmations and technical documentation by KOSS UPS is binding.

• Ver1. Nov 2025

© POWER LOGIC (M) SDN BHD. All right reserved.



TRUE ONLINE UPS
- Single Phase