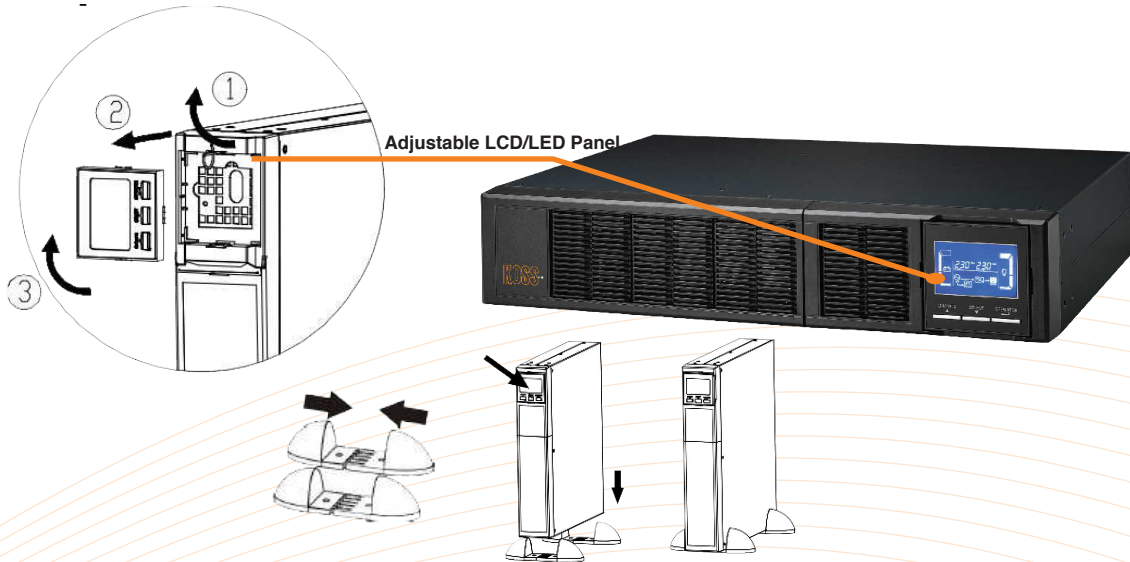


# MAXTRON MX-GR II SERIES

## Rack / Tower Convertible

### 1kVA - 3kVA

TRUE ONLINE RT UPS  
- Single Phase



### Features

- High Frequency True Online Double Conversion Technology
- Output Power Factor 0.9
- High Flexible Form Factor either 2U Rack Mount or Tower (RT) with Adjustable LCD Panel from Horizontal to Vertical Orientation
- Comes with Programmable Outlets that enable the user to control load segments, thereby extending battery runtimes for critical devices by shutting down non-critical devices
- ECO and Advanced ECO Mode (AECO) for energy saving up to 97%
- Safety Feature i.e. Emergency Power Off (EPO) Function to disconnect UPS load from utility power immediately
- Telephone and Ethernet Protection from power surges via RJ11 / RJ45
- 50Hz / 60Hz Frequency Converter Mode Available
- The design of hot swappable batteries allows the user to replace the batteries without shutting down the UPS or connected loads
- The built in 1.5A battery charger permits longer run time by connecting up to two additional external battery cabinets
- Optional add-on battery charger to provide additional current for rapid charging of multiple batteries and scalable batteries strings
- The add-on battery charger has three settings: 2A, 3A, and 4A.
- Provide an unattended shutdown feature via Web Monitoring Cards for an unlimited number of network UPS systems, including servers and PCs.
- Multi-platform Communications Available: SNMP, Modbus, AS400 Web Monitoring Cards via Intelligent Slots, RS 232 Serial and USB

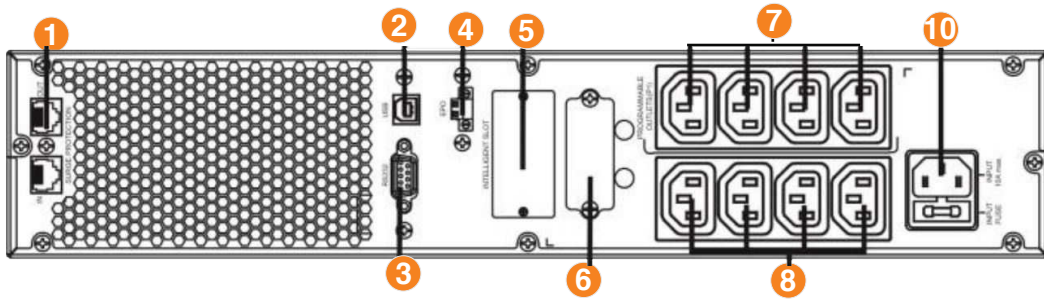


MX-1KGR II, MX-2KGR II & MX-3KGR II

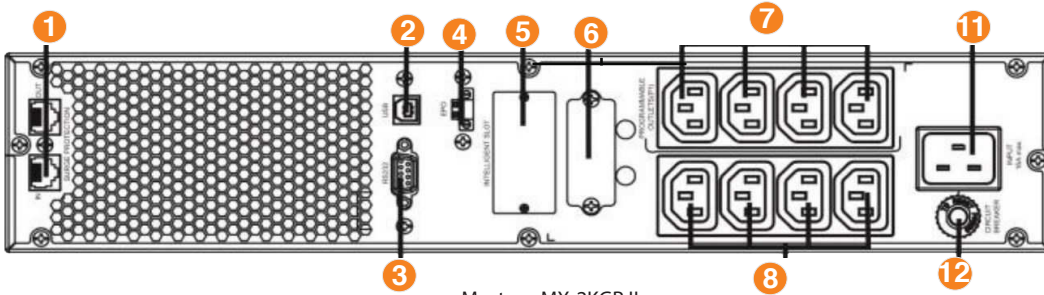


### Maxtron MX-GR II Series 1kVA to 3kVA Rear Panels

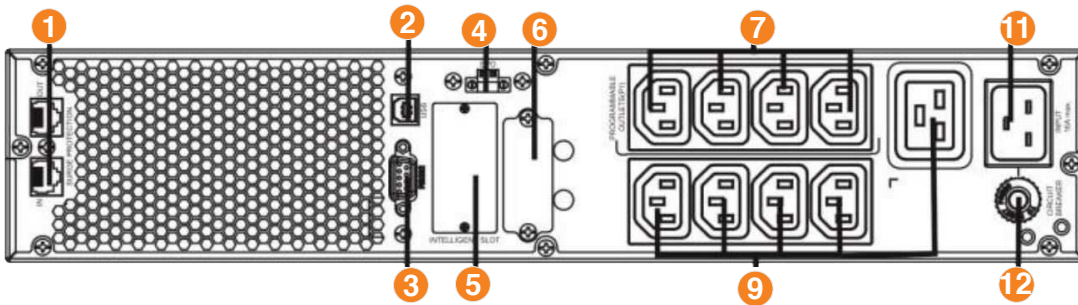
- |                                |  |
|--------------------------------|--|
| 1. RJ 11 / RJ 45 Port          | 7. Programmable Output (4) IEC 320 C13             |
| 2. USB Port                    | 8. Output (4) IEC 320 C13                          |
| 3. RS-232 Port                 | 9. Output (4) IEC 320 C13 + Output (1) IEC 320 C19 |
| 4. EPO (Emergency Power Off)   | 10. AC Input IEC 320 C14                           |
| 5. Intelligent Slot            | 11. AC Input IEC 320 C20                           |
| 6. External Battery Connection | 12. Input Circuit Breaker                          |



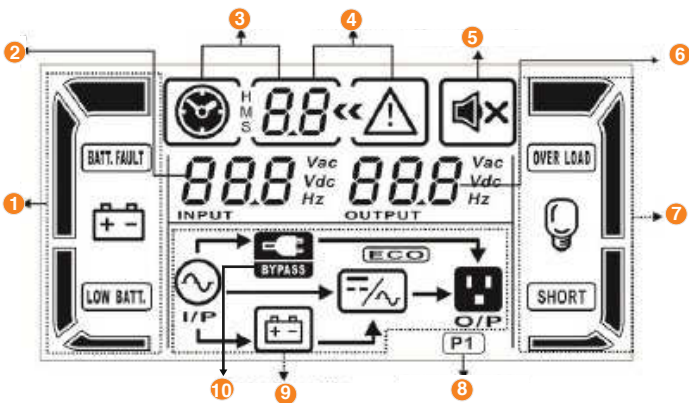
Maxtron MX-1KGR II



Maxtron MX-2KGR II



Maxtron MX-3KGR II



### LCD Screen Indicators of Maxtron MX-GR II Series 1kVA to 3kVA:

- |                                   |                             |
|-----------------------------------|-----------------------------|
| 1. Battery Info                   | 6. Output Info              |
| 2. Input and Battery Voltage Info | 7. Load Info                |
| 3. Autonomy Info                  | 8. Programmable Outlet Info |
| 4. Configuration and Fault Info   | 9. Mode Operation Info      |
| 5. Mute Operation                 | 10. Automatic Bypass        |



**POWER LOGIC**

No. 2-10, Jalan Kenari 12B, Bandar Puchong Jaya, 47100 Puchong, Selangor Darul Ehsan. Tel: (603) 8070 5899 E-mail: enquiry@kossups.com.my

**TRUE ONLINE RT UPS**  
- Single Phase

# MAXTRON GR II SERIES

## Technical Specification

MODEL	MAXTRON MX-1KGR II		MAXTRON MX-2KGR II		MAXTRON MX-3KGR II
Phase	Single Phase with Ground				
Capacity*	1000VA / 900W		2000VA / 1800W		3000VA / 2700W
<b>INPUT</b>					
Nominal Voltage	200 / 208 / 220 / 230 / 240VAC				
Voltage Range	110 - 300VAC $\pm$ 5% @ 50% load ; 160 - 300VAC $\pm$ 5% @ 100% load				
Frequency	40 Hz - 70 Hz				
Power Factor	$\geq$ 0.99 @ Nominal Voltage (100% load)				
Total Harmonic Distortion (THDi)	$\leq$ 5% @ Nominal Input voltage				
Input Connections	IEC 320 C13 to BS1363A Plug		IEC 320 C19 to BS1363A Plug		
<b>OUTPUT</b>					
Output Voltage	200 / 208 / 220 / 230 / 240VAC				
AC Voltage Regulation (Battery Mode)	$\pm$ 1%				
Frequency Range (Synchronized Range)	57 - 63 Hz or 47 - 53 Hz				
Frequency Range (Battery Mode)	50 Hz / 60 Hz $\pm$ 0.1 Hz				
Crest Ratio	3:1				
Total Harmonic Distortion (THDi)	$\leq$ 2 % THD (Linear Load) ; $\leq$ 4 % THD (Non-linear Load)				
Output Connections	(8) IEC 320 C13			(8) IEC 320 C13 + (1) IEC 320 C19	
<b>TOPOLOGY</b>					
Transfer Time	AC Mode to Battery Mode		Zero		
	Inverter to Bypass		4 ms		
Waveform (Battery Mode)	Pure Sinewave				
<b>EFFICIENCY</b>					
AC Mode	90%		91%		91%
ECO Mode	97%				
Battery Mode	88%	89%	88%	89%	90%
<b>SYSTEM</b>					
LCD Display	UPS Status, Input/Output Voltage, Load Level, Battery Level, Discharge Timer, Fault Indicators				
Battery Capacity	12V 7AH / 12V 9AH				
Battery Voltage	24VDC	36VDC	48VDC	72VDC	
Typical Recharge Time	4 hours recover to 90% capacity				
Maximum Charging Current	1.5A				
<b>SAFETY</b>					
Overload Protection	Automatically switch to bypass mode				
RJ11 / RJ45 Surge Protection	Yes				
<b>COMMUNICATIONS / MANAGEMENT</b>					
Smart RS-232/USB	Supports Windows® 2000 / 2003 / XP / Vista / 2008 / 7 / 8 / 10, Linux and MAC				
Intelligent Slot	SNMP / AS400 / Modbus Card (Optional)				
<b>STANDARDS / APPROVALS</b>					
Compliances	CE				
IP Rating	IP20				
<b>ENVIRONMENT</b>					
Operating Temperature**	0°C - 40°C				
Relative Humidity	20% - 90% (non-condensing)				
Acoustic Level at 1m	$\leq$ 50dB				
<b>PHYSICAL PROPERTIES</b>					
Dimension (W x D x H) mm	438 x 410 x 88		438 x 510 x 88		438 x 630 x 88
Net Weight (kg)	11.6	14.2	19.5	26.9	27.4
<b>WARRANTY &amp; SUPPORT</b>					
Product Warranty	3 Years Full Warranty for Parts and Labour include Batteries				

TRUE ONLINE RT UPS  
- Single Phase

\* Derate capacity to 80% when the output voltage is adjusted to 200VAC / 208VAC.

\*\* UPS can run full power continuously when temperature is 0°C to 40°C, but at high temperature such as 50°C, it may derate to 70% or below.

• Changes to the 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.

• T1.Oct 2023

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



POWER LOGIC

No. 2-10, Jalan Kenari 12B, Bandar Puchong Jaya, 47100 Puchong, Selangor Darul Ehsan. Tel: (603) 8070 5899 E-mail: enquiry@kossups.com.my