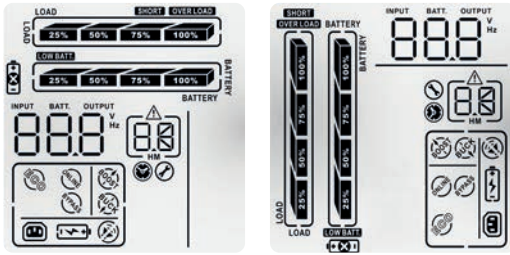


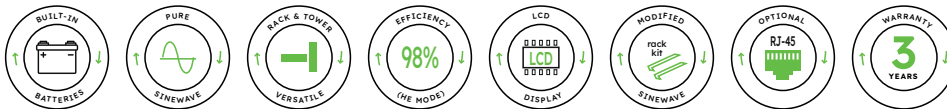
# Mantis RT

## LCD Display Panel



Rack display

Tower display



- **Microprocessor-based line interactive design**

Mantis RT UPS is designed with microprocessor controller for fast response to power disturbances.

- **Pure sine wave output**

With pure sine wave output, Mantis RT series guarantees compatibility for all kinds of loads. It's perfect power protection for versatile applications such as networking, telecom and other mission-critical applications.

- **User-friendly and easy-shift LCD display**

The front panel digital display can be easily shifted through LCD setting to suit the installation format, vertically stand or flat wall mount.

- **Rack/Tower design**

Mantis RT series is designed in true 2U universal-mount case. It can be easily installed as floor-standing tower or in 19-inch rackmount bracket.



19" rack-mounting



Floor-standing Tower

- **Built-in boost and buck AVR**

With built-in voltage regulator, the UPS will maintain regulated nominal output without using battery power during brownouts and overvoltages.

- **Output power factor 0.9**

Mantis RT is a high-density UPS with output power factor 0.9 to provide higher performance and efficiency to critical applications.

- **Hot-swappable battery design**

This design ensures clean and uninterruptible power to protected equipment during battery replacement.

- **Programmable power management outlets**

With programmable power management outlets, users can easily and independently control load segments. During power failure, this feature enables users to extend battery time to mission-critical devices by shutting down the non-critical devices.



Mantis RT2U 1100/1500/2000

Programmable Outlets (P1)  
- connect to non-critical devices

- **ECO operation for energy saving (Efficiency Corrective Optimizer)**

The ECO function allows cost-effective operation of UPS Systems as high as 98%. In this operation mode, load is supplied by the mains. In the event of a mains failure, the inverter takes over the load and provides supply continuity to the connected systems.

- **Emergency Power Off Function (EPO)**

This feature can secure the personnel and equipment in case of fires or other emergencies.

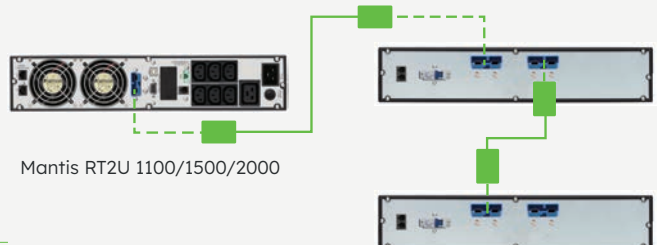
- **EXB Battery extensions available**

To provide longer backup time, we also offer EXB Battery extensions for Mantis RT series.

- **Multiple communication available**

- USB port
- RS-232 port
- SNMP slot

We also offer free monitoring software, NEXTVision, downloaded from the internet. This advanced and networking software supports various operating systems and multiple languages.



Mantis RT2U 1100/1500/2000

## Mantis RT Selection Guide

MODEL		Mantis 1100 RT2U	Mantis 1500 RT2U	Mantis 2000 RT2U	Mantis 3000 RT2U
CAPACITY		1100 VA / 990 W	1500 VA / 1350 W	2000 VA / 1800 W	3000 VA / 2700 W
<b>INPUT</b>					
Voltage		208/220/230/240 VAC			
Acceptable Voltage Range		162-290 VAC			
Frequency Range		50 Hz (auto-sensing)			
<b>OUTPUT</b>					
Output Voltage		208/220/230/240 VAC			
Voltage Regulation (Batt. Mode)		±3% (before battery alarm)			
Frequency Range (Batt. Mode)		50 Hz ± 1 Hz			
Current Crest Ratio		3:1			
Harmonic Distortion		8% max @ 100% linear load, 15% max @ 100% non-linear load (before alarm)			
Transfer Time		Typical 2-6 ms, 10 ms max.			
Waveform (Batt. Mode)		Pure sine wave			
<b>EFFICIENCY</b>					
AC Mode		97%	97%	97%	97%
Buck & Boost Mode		90%	90%	90%	90%
Battery Mode		83%	85%	87%	87%
<b>BATTERY</b>					
Standard Model	Type & Number	12 V/9 Ah x 2	12 V/9 Ah x 4	12 V/9 Ah x 4	12 V/9 Ah x 6
	Charging Voltage	27.4 VDC ± 1%	54.8 VDC ± 1%		82.1 VDC ± 1%
	Typical Recharge Time	4 hours to recover 90% capacity			
<b>PROTECTION</b>					
Full Protection		Overload, discharge, and overcharge protection			
<b>INDICATORS</b>					
LCD Display		AC Mode, Battery Mode, Load Level, Battery Level, Input Voltage, Output Voltage, Overload, Fault, and Low Battery			
<b>ALARM</b>					
Battery Mode		Sounding every 10 seconds			
Low Battery		Sounding every second			
Overload		Sounding every 0.5 second			
Fault		Continuously sounding			
<b>PHYSICAL</b>					
Standard Model	Dimension D x W x H (mm)	380 x 438 x 88	480 x 438 x 88		600 x 438 x 88
	Net Weight (kgs)	14.23 kg	21.08 kg	23.1 kg	32.24 kg
<b>ENVIRONMENT</b>					
Humidity		0-90% RH @ 0-40°C. (non-condensing)			
Noise Level		Less than 45dB			
<b>MANAGEMENT</b>					
Smart RS-232/USB		Supports Windows®, Linux, Unix, and MAC			
Optional SNMP/Web Interface		Power management from SNMP manager and web browser			
<b>NEXT PART NUMBERS</b>					
MANTIS RT		44222	44223	44224	44226
MANTIS EXB RT (Battery extension)		66001	66003	66003	66004
NEXT 5+ Warranty Extension (UPS)		11004	11005	11005	11006
NEXT 5+ Warranty Extension (EXB)		11012	11014	11014	11015
SNMP/Web Interface		99002	99002	99002	99002

Product specifications are subject to change without prior notice