



# KSTAR

# Microsine UPS



True Sinewave



Plug & Play



Australian  
Outlets



**Best for Protecting:** Automatic Gates and Doors, Camera Surveillance, Computers, Telephone Systems, Small to Medium Servers, NAS, Network equipment, ATMs, Ticket machines, Kiosks

## HIGHLIGHTS

- True Sinewave Output**
- Smart RS232/USB Interface**
- Cold Start Function**
- Buck and Boost AVR**
- Segmental LCD Display**
- USB Connectivity Port**
- Phone/Fax/Modem/DSL/Network Protection**
- Built-in Self-Diagnostic Function**
- Power Management Software**

The Microsine True Sinewave UPS provides advanced power protection and battery backup. The sinusoidal output ensures compatibility with most electronic devices. Small size ensures easy integration even with space constraints (kiosks, cash machines, ticket machines etc.)

Automatic Voltage Regulation (AVR) stabilizes the AC signal and maintains safe voltage levels. This allows the UPS to maintain safe power levels for the connected equipment without resorting to batteries. The multifunction LCD

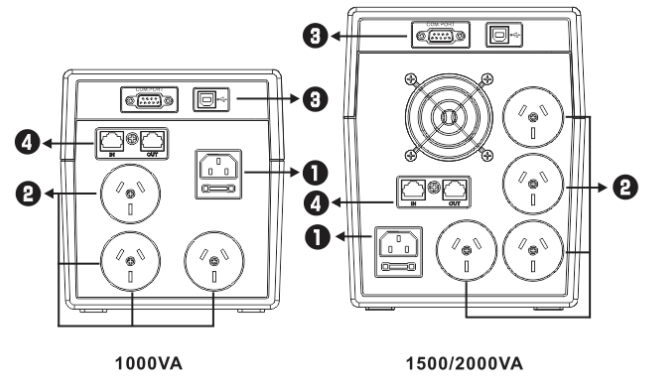
readout provides immediate access to precise information of critical power/battery conditions.

Microsine provides telephone, broadband and Ethernet line protection from power surges.

Smart USB interface enables real-time power and UPS status monitoring. Power Management Software allows for the safe/graceful shutdown of connected IT systems on mains power supply failure. The UPS automatically restarts and begins charging when the mains power supply is restored.

## KSTAR AiO All-in-One Line-interactive UPS

1. AC Inlet for the Input Cable
2. Protected Output Receptacles
3. USB & RS232 Communication Port
4. Data Line (RJ45) Outlets with Surge Protection



### Battery Backup Time

| Model  | Load type             | Load Value | Backup time (min) |
|--|-----------------------|------------|-------------------|
| <b>Microsine 1000</b><br>(1000VA/600W)<br>(12V/7Ah*2)  | 1 x PC + 1 x 17" LCD  | 120W       | 30'               |
|  | 2 x PC + 2 x 17" LCD  | 240W       | 11'               |
|  | 3 x PC + 3 x 17" LCD  | 360W       | 3'                |
|  | 4 x PC + 4 x 17" LCD  | 480W       | 40"               |
|  | 5 x PC + 5 x 17" LCD  | 600W       | 20"               |
| <b>Microsine 1500</b><br>(1500VA/900W)<br>(12V/9Ah*2)  | 1 x PC + 1 x 17" LCD  | 120W       | 36'               |
|  | 2 x PC + 2 x 17" LCD  | 240W       | 14'30"            |
|  | 3 x PC + 3 x 17" LCD  | 360W       | 9'                |
|  | 4 x PC + 4 x 17" LCD  | 480W       | 5'30"             |
|  | 5 x PC + 5 x 17" LCD  | 600W       | 1'30"             |
|  | 6 x PC + 6 x 17" LCD  | 720W       | 1'                |
|  | 7 x PC + 7 x 17" LCD  | 840W       | 30"               |
|  | 8 x PC + 8 x 17" LCD  | 960W       | 20"               |
| <b>Microsine 2000</b><br>(2000VA/1200W)<br>(12V/9Ah*2) | 1 x PC + 1 x 17" LCD  | 120W       | 37'               |
|  | 2 x PC + 2 x 17" LCD  | 240W       | 15'               |
|  | 3 x PC + 3 x 17" LCD  | 360W       | 10'               |
|  | 4 x PC + 4 x 17" LCD  | 480W       | 5'30"             |
|  | 5 x PC + 5 x 17" LCD  | 600W       | 4'                |
|  | 6 x PC + 6x 17" LCD   | 720W       | 3'                |
|  | 7 x PC + 7 x 17" LCD  | 840W       | 1'30"             |
|  | 8 x PC + 8 x 17" LCD  | 960W       | 40"               |
|  | 9 x PC + 9 x 17" LCD  | 1080W      | 40"               |
|  | 10 x PC +10 x 17" LCD | 1200W      | 10"               |

NOTE: Battery times indicated above are for reference only, which might vary according to load configuration, ambient temperature, battery charge, etc.

## Technical Specifications

| MODEL                              | Microsine 750   | Microsine 1K    | Microsine 1.5K  | Microsine 2K    |
|------------------------------------|---|-----------------|-----------------|-----------------|
| Power                              | 750VA / 480W  | 1000VA / 700W   | 1500VA / 1050W  | 2000VA / 1400W  |
| UPS TOPOLOGY                       | Line-interactive  |                 |                 |                 |
| Output Waveform                    | True Sinewave   |                 |                 |                 |
| Warranty                           | 2 Years   |                 |                 |                 |
| <b>INPUT</b>                       |   |                 |                 |                 |
| Voltage                            | 220/230/240 VAC   |                 |                 |                 |
| Voltage Range                      | 162-290 VAC   |                 |                 |                 |
| Frequency Range                    | 60/50 Hz (auto-sensing)   |                 |                 |                 |
| <b>OUTPUT</b>                      |   |                 |                 |                 |
| AC Voltage Regulation (Batt. Mode) | ±10%  |                 |                 |                 |
| Frequency Range (Batt. Mode)       | 50Hz or 60Hz ± 1Hz  |                 |                 |                 |
| Transfer Time                      | Typical 2-6ms, 10ms max   |                 |                 |                 |
| <b>BATTERY</b>                     |   |                 |                 |                 |
| Battery Type and Number            | 1 x 12V/9Ah   | 2 x 12V/7Ah     | 2 x 12V/9Ah     | 2 x 12V/9Ah     |
| Typical Recharge Time              | 6 hours recovery to 90% capacity  |                 |                 |                 |
| <b>INDICATORS</b>                  |   |                 |                 |                 |
| LCD Display                        | AC Mode, Battery Mode, Load Level, Battery Level, Input Voltage, Output Voltage, Overload, Fault, Low Battery |                 |                 |                 |
| <b>ALARM</b>                       |   |                 |                 |                 |
| Battery Mode                       | Sounding every 10 seconds   |                 |                 |                 |
| Low Battery                        | Sounding every second   |                 |                 |                 |
| Overload                           | Sounding every 0.5 second   |                 |                 |                 |
| Battery Replacement Alarm          | Sounding every 2 seconds  |                 |                 |                 |
| Fault                              | Continuously sounding   |                 |                 |                 |
| <b>PHYSICAL</b>                    |   |                 |                 |                 |
| Dimensions (W x H x D mm)          | 146 x 160 x 350   | 146 x 160 x 350 | 146 x 205 x 397 | 146 x 205 x 397 |
| Net Weight (kg)                    | 5.7   | 8               | 10.5            | 11.6            |
| <b>ENVIRONMENT</b>                 |   |                 |                 |                 |
| Humidity                           | 0-90% RH @ 0-40° (non-condensing)   |                 |                 |                 |
| Noise Level                        | Less than 45dB  |                 | Less than 55dB  |                 |
| <b>MANAGEMENT</b>                  |   |                 |                 |                 |
| USB & RS-232 Port                  | Supports Windows® 2000/2003/XP/Nista/2008, Windows® 7, Linux, Unix  |                 |                 |                 |

| BACKUP TIME (min) |    |     |    |    |
|-------------------|----|-----|----|----|
| Load 10%          | 15 | 30  | 40 | 38 |
| Load 25%          | 6  | 13  | 18 | 16 |
| Load 50%          | 2  | 6   | 11 | 7  |
| Load 75%          | 15 | 3   | 4  | 3  |
| Load 100%         | 5  | 1.5 | 1  | 1  |

Specifications subject to change without prior notice



# KSTAR

Distributed in Australia by:

Power Backup Solutions Pty Ltd | ABN: 98 164 568 343

Unit 2, 7-9 Percy St, Auburn NSW 2144 | sales@powerbackups.com.au