



## ONLINE UPS SERIES

# MAGNUS PLUS TOWER UPS

MAGNUS PLUS RZ6K#20S

### Specifications

- True double-conversion.
- Microprocessor control optimizes reliability.
- Input power factor correction.
- Output power factor 0.9
- Wide input voltage.
- Converter mode available.
- ECO mode for energy saving only available for 1-3KVA models.
- Generator compatible.
- Smart SNMP works well with either USB or RS-232 together.
- Comprehensive display allows easy monitoring and access of UPS status.



|                                         |                           | MAGNUS PLUS Tower Online UPS Data Sheet                                   |
|-----------------------------------------|---------------------------|---------------------------------------------------------------------------|
| MODEL                                   |                           | Magnus Plus RZ6K#20S                                                      |
| PHASE                                   |                           | Single phase with ground                                                  |
| CAPACITY                                |                           | 6000 VA / 5400 W                                                          |
|                                         |                           | INPUT                                                                     |
| Nominal Voltage                         |                           | 208/220/230/240VAC                                                        |
| Nominal Voltage                         |                           | 110-300 VAC (Based on load at 50%)<br>176-300 VAC (Based on load at 100%) |
| Frequency Range                         |                           | 46~54 Hz or 56~64 Hz                                                      |
| Power Factor                            |                           | ≥ 0.99 @ Nominal Voltage (100% load)                                      |
|                                         |                           | OUTPUT                                                                    |
| Output Voltage                          |                           | 208/220/230/240VAC                                                        |
| Voltage Regulation                      |                           | ±1%                                                                       |
| Frequency Range<br>(Synchronized Range) |                           | 46~54 Hz or 56~64 Hz                                                      |
| Frequency Range<br>(Batt. Mode)         |                           | 50 Hz or 60Hz ± 0.1 Hz                                                    |
| Current Crest Ratio                     |                           | 3:1                                                                       |
| Harmonic Distortion                     |                           | ≤ 3 % THD (Linear Load)<br>≤ 5 % THD (Non-linear Load)                    |
| Transfer Time                           | AC Mode to Battery Mode   | Zero                                                                      |
|                                         | Inverter to Bypass        | 0ms                                                                       |
| Waveform (Batt. Mode)                   |                           | Pure Sinewave                                                             |
|                                         |                           | EFFICIENCY                                                                |
| AC Mode                                 |                           | 92%                                                                       |
| Battery Mode                            |                           | 90%                                                                       |
|                                         |                           | BATTERY                                                                   |
| Standard Model                          | Battery Type              | 12 V / 9 AH                                                               |
|                                         | Numbers                   | 20                                                                        |
|                                         | Typical Recharge Time     | 9 hours recover to 90% capacity                                           |
|                                         | Charging Current (max.)   | 1A/2A (Adjustable)                                                        |
|                                         | Charging Voltage          | 273 VDC ±1%                                                               |
|                                         |                           | PHYSICAL                                                                  |
| Standard Model                          | Dimension, D x W x H (mm) | 442 x 190 x 688                                                           |
|                                         | Net Weight (kgs)          | 74                                                                        |
|                                         |                           | ENVIRONMENT                                                               |
| Humidity                                |                           | 0-95% RH @ 0-40°C (non-condensing)                                        |
| Noise Level                             |                           | Less than 55dBA @ 1 Meter                                                 |
|                                         |                           | MANAGEMENT                                                                |
| Smart RS-232/USB                        |                           | Supports Windows 2000/2003/XP/Vista/2008/7/8, Linux, Unix, and MAC        |
| Optional SNMP                           |                           | Power management from SNMP manager and web browser                        |

\*1-3KVA: Derate to 70% of capacity in Frequency converter mode or when the output voltage is adjusted to 208VAC  
6-10KVA: Derate to 60% of capacity in Frequency converter mode and to 90% when the output voltage is adjusted to 208VAC.

■ Products specifications described herein are subject to change without prior notification.