

Magnus Plus Online UPS Series



Magnus Plus Tower UPS



Magnus Plus RZ1K#3S



Magnus Plus RZ2K#6S

Magnus Plus RZ3K#6S



Magnus Plus RZ6K#20S

Magnus Plus RZ10K#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 RZ1K#3S	Magnus Plus RZ2K#6S	Magnus Plus RZ3K#6S	Magnus Plus RZ6K#20S	Magnus Plus RZ10K#20S
PHASE		Single phase with ground				
CAPACITY		1000 VA / 900 W	2000 VA / 1800 W	3000 VA / 2700 W	6000 VA / 5400 W	10000 VA / 9000 W
INPUT						
Nominal Voltage		208/220/230/240VAC			208/220/230/240VAC	
Voltage Range		120-300 VAC (Based on load at 50%) 180-300 VAC (Based on load at 100%)			110-300 VAC (Based on load at 50%) 176-300 VAC (Based on load at 100%)	
Frequency Range		40Hz ~ 70 Hz			46~54 Hz or 56~64 Hz	
Power Factor		≥ 0.99 @ Nominal Voltage (100% load)				
OUTPUT						
Output Voltage		208/220/230/240VAC			208/220/230/240VAC	
Voltage Regulation		±1%				
Frequency Range (Synchronized Range)		47~ 53 Hz or 57 ~ 63 Hz			46~54 Hz or 56~64 Hz	
Frequency Range (Batt. Mode)		50 Hz or 60Hz ± 0.5%			50 Hz or 60Hz ± 0.1 Hz	
Current Crest Ratio		3:1				
Harmonic Distortion		≤ 3 % THD (linear Load) ≤ 6 % THD (Non-linear Load)			≤ 3 % THD (Linear Load) ≤ 5 % THD (Non-linear Load)	
Transfer Time	AC Mode to Battery Mode	Zero				
	Inverter to Bypass	4 ms (Typical)			0ms	
Waveform (Batt. Mode)		Pure Sinewave				
EFFICIENCY						
AC Mode		88%	89%	90%	92%	93%
Battery Mode		83%	85%	88%	90%	91%
BATTERY						
Standard Model	Battery Type	12 V / 9 AH	12 V / 7 AH	12 V / 9 AH	12 V / 9 AH	12 V / 9 AH
	Numbers	3	6	6	20	20
	Typical Recharge Time	4 hours recover to 90% capacity			9 hours recover to 90% capacity	
	Charging Current (max.)	1.0 A			1A/2A (Adjustable)	
	Charging Voltage	41.0VDC ± 1%	82.1 VDC ±1%	82.1 VDC ±1%	273 VDC ±1%	273 VDC ±1%
PHYSICAL						
Standard Model	Dimension, D x W x H (mm)	397 x 145 x 220	421 x 190 x 318	421 x 190 x 318	442 x 190 x 688	
	Net Weight (kgs)	11.4	26.2	27.6	74	76
ENVIRONMENT						
Humidity		20-90 % RH @ 0- 40°C (non-condensing)			0-95% RH @ 0-40°C (non-condensing)	
Noise Level		Less than 50dBA @ 1 Meter			Less than 55dBA @ 1 Meter	Less than 58dBA @ 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.

