On Line | Champ RM

1K/2K/3K

Features

- True double-conversion
- Microprocessor control optimizes reliability
- Input power factor correction
- Output power factor 0.9
- Wide input voltage (110V - 300V)
- Converter mode available
- ECO mode for energy saving
- Adjustable charging current via LCD or software (1A~6A)
- Generator compatible
- Smart SNMP works well with either USB or RS-233 together
- Comprehensive LCD display allows easy monitoring and access of UPS status



MODEL		Champ RM 1K(L)	Champ RM 2K(L)	Champ RM 3KL
PHASE		Single phase with ground		
CAPACITY		1000VA / 900W	2000VA / 1800W	3000VA / 2700W
INPUT				
Nominal Voltage		110 / 115 / 120 / 127Vac or 208 / 220 / 230 / 240Vac		
Input Voltage Range		60-145Vac or 120-300Vac at 50% load 90-145Vac or 180-300Vac at 100% load		
Frequency Range		40~70Hz		
Power Factor		≧ 0.99 @ Nominal Voltage (100% load)		
OUTPUT				
Output Voltage		110 / 115 / 120 / 127Vac or 208 / 220 / 230 / 240Vac		
Voltage Regulation		± 1%		
Frequency Range (Synchronized Range)		47~53Hz or 57~63Hz		
Frequency Range (Batt. Mode)		50Hz ± 0.25Hz or 60Hz ± 0.3Hz		
Current Crest Ratio		3:1		
Harmonic Distortion		≦ 3% THD (Linear Load) / ≦ 6% THD (Non-linear Load)		
Transfer Time	AC Mode to Batt. Mode	Zero		
	Inverter to Bypass	4 ms (Typical)		
Waveform (Batt. Mode)		Pure Sinewave		
EFFICIENCY				
AC Mode		88%	89%	90%
Battery Mode		83%	87%	88%
BATTERY				
Standard Model	Battery Type	12V / 9Ah	12V / 9Ah	12V / 9Ah
	Numbers	2	4	6
	Typical Recharge Time	4 hours recover to 90% capacity		
	Charging Current (max.)	1.0A		
	Charging Voltage	27.4Vdc ± 1%	54.7Vdc ± 1%	82.1Vdc ± 1%
Long-run Model	Battery Type	Depending on the capacity of external batteries		
	Numbers	2 3	4 6 8	6 8
	Charging Current (max.)	1A / 2A / 4A / 6A (Adjustable)		
	Charging Voltage	27.4Vdc ± 1% 41.0Vdc ± 1%	54.7Vdc ± 1% 82.1Vdc ± 1% 109.4Vdc ± 1%	82.1Vdc ± 1% 109.4Vdc ± 1%
INDICATORS				
LCD Panel		Load level, Battery level, AC mode, Battery mode, Bypass mode and Fault indicators		
ALARM				
Battery Mode		Beeps every 4 seconds		
Low Battery		Beeps every second		
Overload		Beeps twice every second		
Fault		Continously beeping		
PHYSICAL				
Standard Model	Dimension, D x W x H (mm)	310 x 438 x 88	410 x 438 x 88	630 x 438 x 88
	Net Weight (kgs)	12	19	29.3
Long-run Model*	Dimension, D x W x H (mm)	310 x 438 x 88	410 x 438 x 88	410 x 438 x 88
	Net Weight (kgs)	9	12	14.2
ENVIRONMENT				
Humidity		20-90% RH @ 0- 40°C (non-condensing)		
Noise Level		Less than 50dBA @ 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		

* 1K-3K: Derate to 80% of capacity in Frequency converter mode or when the output voltage is adjusted to 208Vac.
* Product specifications are subject to change without further notice
* Long-run model power factor: 0.8

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