

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-232 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						
Long-run Model	Charging Voltage	27.4Vdc ± 1%		54.7Vdc ± 1%		82.1Vdc ± 1%		
	Battery Type	Depending on the capacity of external batteries						
	Numbers	2	3	4	6	8	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	Continuously 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 208Vdc.

* Product specifications are subject to change without further notice

* Long-run model power factor: 0.8