

- True double-conversion
- Microprocessor control optimizes reliability
- Input power factor correction
- Output power factor 0.9
- Wide input voltage range
- Converter mode available
- ECO mode for energy saving only available for 1-3KVA models
- Generator compatible
- Adjustable charging current via LCD or software (1A–6A)
- Emergency power off function (EPO) only available for 6K/10K models
- Comprehensive display allows easy monitoring and access of UPS status



Champ RACK ONLINE UPS SELECTION GUIDE

MODEL	Champ 1KR	Champ 2KR				Champ 3KR		
PHASE	Single phase with ground							
CAPACITY	1000 VA / 900 W	2000 VA / 1800 W				3000 VA / 2700 W		
INPUT								
Nominal Voltage	110/115/120/127VAC or 208/220/230/240VAC							
Input Voltage Range	60-145 VAC or 120-300 VAC at 50% load 90-145 VAC or 180-300 VAC at 100% load							
Frequency Range	40Hz ~ 70 Hz							
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~ 53 Hz or 57 ~ 63 Hz							
Frequency Range (Batt. Mode)	50 Hz ± 0.25 Hz or 60Hz ± 0.3 Hz							
Current Crest Ratio	3:1							
Harmonic Distortion	≤ 3 % THD (Linear Load) ≤ 6 % THD (Non-linear Load)							
Transfer Time	AC Mode to Battery 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	12 V / 9 AH		12 V / 9 AH			12 V / 9 AH	
	Numbers	2		4			6	
	Typical Recharge Time	4 hours recover to 90% capacity						
	Charging Current (max.)	1.0 A						
	Charging Voltage	27.4VDC ± 1%		54.7 V _{DC} ±1%			82.1 V _{DC} ±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	7.4VDC ± 1%	41.0VDC ± 1%	54.7 V _{DC} ±1%	82.1 V _{DC} ±1%	109.4V _{DC} ±1%	82.1 V _{DC} ±1%	109.4V _{DC} ±1%
INDICATORS								
LCD	Load level, Battery level, AC mode, Battery mode, Bypass mode, and Fault indicators							
ALARM								
Battery Mode	Sounding every 4 seconds							
Low Battery	Sounding every second							
Overload	Sounding twice every second							
Fault	Continuously sounding							
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				
	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.
6K/10K: Derate to 60% of capacity in Frequency converter mode and to 80% when the output voltage is adjusted to 208VAC.

* Product specifications are subject to change without further notice