

- 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	Champ 6KR	Champ 10KR	
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	110/115/120/127VAC or 208/220/230/240VAC			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			110-300 VAC (Based on load at 50%) 176-300 VAC (Based on load at 100%)		
Frequency Range	40Hz ~ 70 Hz			46Hz ~ 54 Hz or 56Hz ~ 64 Hz		
Power Factor	≥ 0.99 @ Nominal Voltage (100% load)					
OUTPUT						
Output Voltage	110/115/120/127VAC or 208/220/230/240VAC			208/220/230/240VAC		
Voltage Regulation	± 1%			± 1%		
Frequency Range (Synchronized Range)	47~ 53 Hz or 57 ~ 63 Hz			46Hz ~ 54 Hz or 56Hz ~ 64 Hz		
Frequency Range (Batt. Mode)	50 Hz ± 0.25 Hz or 60Hz ± 0.3 Hz			50 Hz ± 0.1 Hz or 60 Hz ± 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 Inverter to Bypass			Zero 0ms		
Waveform (Batt. Mode)	4 ms (Typical) Pure Sinewave					
EFFICIENCY						
AC Mode	88%	89%	90%	92%	93%	
Battery Mode	83%	87%	88%	90%	91%	
BATTERY						
Standard Model	Battery Type	12 V / 9 AH	12 V / 9 AH	12 V / 9 AH	12 V / 9 AH	
	Numbers	2	4	6	16    20    16    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)				
Long-run Model*	Charging Voltage	27.4VDC ± 1%	54.7 Vdc ± 1%	82.1 Vdc ± 1%	218.4 VDC ± 1%    273 VDC ± 1%    218.4 VDC ± 1%    273 VDC ± 1%	
	Battery Type	Depending on the capacity of external batteries			Depending on applications	
	Numbers	2    3    4    6    8	6    8	16-20pcs (Adjustable)		
	Charging Current (max.)	1A/2A/4A/6A (Adjustable)			1A/2A/4A/6A (Adjustable, 6A is only available for 16pcs batteries)	
Charging Voltage	7.4VDC ± 1%    11.0VDC ± 1%    21.4VDC ± 1%    42.1VDC ± 1%    84.2VDC ± 1%    168.4VDC ± 1%	218.4 VDC ± 1% (Based on 16pcs batteries)				
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	UPS Unit: 500x438x88 [2U]    Battery Pack: 668x438x88 [2U]	
	Net Weight (kgs)	12	19	29.3	UPS Unit: 15    Battery Pack: 48    UPS Unit: 15    Battery Pack: 61    UPS Unit: 18    Battery Pack: 51    UPS Unit: 18    Battery Pack: 61	
Long-run Model*	Dimension, D x W x H (mm)	310 x 438 x 88	410 x 438 x 88	500 x 438 x 88 [2U]	580 x 438 x 133 [3U]	
	Net Weight (kgs)	9	12	14.2	15    18	
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					

\*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