

- 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		Zero		0ms		AC Mode to Battery Mode		Zero		
	Inverter to Bypass		4 ms (Typical)		0ms		Inverter to Bypass		4 ms (Typical)		
Waveform (Batt. Mode)	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	
	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%	
	Battery Type	Depending on the capacity of external batteries									
	Numbers	2		3		4		6		8	
	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%		17.1VDC ± 1%		21.8 VDC ± 1%		27.3 VDC ± 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		UPS Unit: 500x438x88 [2U] Battery Pack: 668x438x88 [2U]	UPS Unit: 500x438x88 [2U] Battery Pack: 580x438x133	UPS Unit: 580x438x133[3U] Battery Pack: 580x438x133 [3U]	UPS Unit: 580x438x133[3U] Battery Pack: 580x438x133 [3U]
	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		630 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					
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