

- True double-conversion
- Microprocessor control optimizes reliability
- Input power factor correction
- Output power factor 0.9
- Wide input voltage
- Converter mode available
- ECO mode for energy saving only available for 1-3KVA models
- Generator compatible
- Smart SNMP works well with either USB or RS-232 together
- Comprehensive display allows easy monitoring and access of UPS status



MODEL	CHAMP 1K	CHAMP 2K	CHAMP 3K	CHAMP 6K	CHAMP 10K	
<b>PHASE</b>	Single phase with ground					
<b>CAPACITY</b>	1000 VA / 900 W	2000 VA / 1800 W	3000 VA / 2700 W	6000 VA / 5400 W	10000 VA / 9000 W	
<b>INPUT</b>						
Nominal Voltage	100/110/115/120/127VAC or 200/208/220/230/240VAC			208/220/230/240VAC		
Voltage Range	60-150 VAC or 120-300 VAC (Based on load at 50%) 90-140 VAC or 180-280 VAC (Based on load at 100%)			110-300 VAC (Based on load at 50%) 176-300 VAC (Based on load at 100%)		
Frequency Range	40Hz ~ 70 Hz			46-54 Hz or 56-64 Hz		
Power Factor	≥ 0.99 @ Nominal Voltage (100% load)					
<b>OUTPUT</b>						
Output Voltage	100/110/115/120/127VAC or 200/208/220/230/240VAC			208/220/230/240VAC		
Voltage Regulation	± 1%					
Frequency Range (Synchronized Range)	47~ 53 Hz or 57 ~ 63 Hz			46-54 Hz or 56-64 Hz		
Frequency Range (Batt. Mode)	50 Hz or 60Hz ± 0.5%			50 Hz or 60Hz ± 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			
	Inverter to Bypass		4 ms (Typical)			
Waveform (Batt. Mode)	Pure Sinewave					
<b>EFFICIENCY</b>						
To AC Mode	88%	89%	90%	90%	94%	
To Battery Mode	83%	85%	88%	90%	91%	
<b>BATTERY</b>						
Standard Model	Battery Type	12 V / 9 AH	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				
Long-run Model	Charging Voltage	27.4VDC ± 1%	54.7 V <sub>bc</sub> ±1%	82.1 V <sub>bc</sub> ±1%	218.4 VDC ±1%	218.4 VDC ±1% 273 VDC ±1%
	Battery Type	Depending on the capacity of external batteries				
	Numbers	2	4	6	16	16
	Charging Current (max.)	1A/2A/4A/6A (Adjustable)			1A/2A/4A/6A (Adjustable)	
	Charging Voltage	27.4VDC ± 1%	54.7 V <sub>bc</sub> ±1%	82.1 V <sub>bc</sub> ±1%	218.4 VDC ±1%	218.4 VDC ±1%
<b>INDICATORS</b>						
LCD	Load level, Battery level, AC mode, Battery mode, Bypass mode, and Fault indicators					
<b>ALARM</b>						
Battery Mode	Sounding every 4 seconds					
Low Battery	Sounding every second					
Overload	Sounding twice every second					
Fault	Continuously sounding					
<b>PHYSICAL</b>						
Standard Model	Dimension, D x W x H (mm)	282 x 145 x 220	397 x 145 x 220	421 x 190 x 318	369 x 190 x 688	442 x 190 x 688 442 x 190 x 688
	Net Weight (kgs)	9.8	17	27.6	61	66 76
Long-run Model	Dimension, D x W x H (mm)	282 x 145 x 220	397 x 145 x 220	397 x 145 x 220	369 x 190 x 318	442 x 190 x 318
	Net Weight (kgs)	4.1	6.8	7.4	12	16
<b>ENVIRONMENT</b>						
Humidity	20-90 % RH @ 0- 40°C (non-condensing)			0-95% RH @ 0-50°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	
<b>MANAGEMENT</b>						
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					

\*1-3KVA: Derate to 80% of capacity in Frequency converter mode and to 80% when the output voltage is adjusted to 100/200/208VAC

6-10KVA: Derate to 60% of capacity in Frequency converter mode and to 90% when the output voltage is adjusted to 208VAC

\*\*Long-run model is only available in 200/208/220/230/240VAC systems (200VAC system only available for 1-3KVA).

Product specifications are subject to change without further notice