

### Features

- True double-conversion
- Excellent microprocessor control for high reliability
- Input power factor correction
- Output power factor 0.9
- Wide input voltage (120V - 300V)
- Converter mode available
- ECO mode for energy saving(Only available for 1-3KVA)
- Adjustable battery string numbers only available for 6K / 10K models
- 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 1K                                                                                       | Champ 2K        | Champ 3K        | Champ 6K                                                                | Champ 10K                          |
|--------------------------------------|---------------------------|------------------------------------------------------------------------------------------------|-----------------|-----------------|-------------------------------------------------------------------------|------------------------------------|
| PHASE                                |                           | Single phase with ground                                                                       |                 |                 |                                                                         |                                    |
| CAPACITY                             |                           | 1000VA / 900W                                                                                  | 2000VA / 1800W  | 3000VA / 2700W  | 6000VA / 5400W                                                          | 10000 VA / 9000 W                  |
| INPUT                                |                           |                                                                                                |                 |                 |                                                                         |                                    |
| Nominal Voltage                      |                           | 200 / 208 / 220 / 230 / 240Vac                                                                 |                 |                 | 208 / 220 / 230 / 240Vac                                                |                                    |
| Voltage Range                        |                           | 120~300Vac (Based on load at 50%)<br>160-280Vac (Based on load at 100%)                        |                 |                 | 110-300Vac (Based on load at 50%)<br>176-300Vac (Based on load at 100%) |                                    |
| Frequency Range                      |                           | 40~70Hz                                                                                        |                 |                 | 46~54Hz or 56~64Hz                                                      |                                    |
| Power Factor                         |                           | ≥ 0.99 @ Nominal Voltage (100% load)                                                           |                 |                 |                                                                         |                                    |
| OUTPUT                               |                           |                                                                                                |                 |                 |                                                                         |                                    |
| Output Voltage                       |                           | 200 / 208 / 220 / 230 / 240Vac                                                                 |                 |                 | 208 / 220 / 230 / 240Vac                                                |                                    |
| Voltage Regulation                   |                           | ± 1%                                                                                           |                 |                 |                                                                         |                                    |
| Frequency Range (Synchronized Range) |                           | 47~53Hz or 57~63Hz                                                                             |                 |                 | 46~54Hz or 56~64Hz                                                      |                                    |
| Frequency Range (Batt. Mode)         |                           | 50Hz ± 0.25Hz or 60Hz ± 0.3Hz                                                                  |                 |                 | 50Hz or 60Hz ± 0.1Hz                                                    |                                    |
| Inverter Crest Ratio                 |                           | 3:1                                                                                            |                 |                 |                                                                         |                                    |
| Harmonic Distortion (THDv)           |                           | ≤ 3% THD (Linear Load)<br>≤ 6% THD (Non-linear Load)                                           |                 |                 | ≤ 3% THD (Linear Load)<br>≤ 5% THD (Non-linear Load)                    |                                    |
| Transfer Time                        | AC Mode to Battery Mode   | Zero                                                                                           |                 |                 |                                                                         |                                    |
|                                      | Inverter to Bypass        | 4 ms (Typical)                                                                                 |                 |                 | Zero                                                                    |                                    |
| Waveform (Batt. Mode)                |                           | Pure Sinewave                                                                                  |                 |                 |                                                                         |                                    |
| EFFICIENCY                           |                           |                                                                                                |                 |                 |                                                                         |                                    |
| AC Mode                              |                           | 88%                                                                                            | 88%             | 90%             | 92%                                                                     | 93%                                |
| Battery Mode                         |                           | 83%                                                                                            | 87%             | 88%             | 90%                                                                     | 91%                                |
| BATTERY                              |                           |                                                                                                |                 |                 |                                                                         |                                    |
| Standard Model                       | Battery Type              | 12V / 9Ah                                                                                      | 12V / 9Ah       | 12V / 9Ah       | 12V / 9Ah                                                               |                                    |
|                                      | Numbers in string         | 2                                                                                              | 4               | 6               | 16                                                                      | 16                                 |
|                                      | Typical Recharge Time     | 4 hours recover to 90% capacity                                                                |                 |                 | 9 hours recover to 90% capacity                                         |                                    |
|                                      | Charging Current (max.)   | 1.0 A                                                                                          |                 |                 | 1A / 2A (Adjustable)                                                    |                                    |
|                                      | Charging Voltage          | 27.4Vdc ± 1%                                                                                   | 54.7Vdc ± 1%    | 82.1Vdc ± 1%    | 218.4Vdc ± 1%                                                           | 218.4Vdc ± 1%                      |
| INDICATORS                           |                           |                                                                                                |                 |                 |                                                                         |                                    |
| LCD Panel                            |                           | Load level, Battery level, Line mode, Battery mode, Bypass mode, ECO mode and Fault indicators |                 |                 |                                                                         |                                    |
| ALARM                                |                           |                                                                                                |                 |                 |                                                                         |                                    |
| Battery Mode                         |                           | Beeps every 4 seconds                                                                          |                 |                 |                                                                         |                                    |
| Low Battery                          |                           | Beeps every second                                                                             |                 |                 |                                                                         |                                    |
| Overload                             |                           | Beeps twice per second                                                                         |                 |                 |                                                                         |                                    |
| Fault                                |                           | Continuously beeping                                                                           |                 |                 |                                                                         |                                    |
| PHYSICAL                             |                           |                                                                                                |                 |                 |                                                                         |                                    |
| 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                    |
|                                      | Net Weight (kgs)          | 9.8                                                                                            | 17              | 27.6            | 61                                                                      | 66                                 |
| 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                                 |
| ENVIRONMENT                          |                           |                                                                                                |                 |                 |                                                                         |                                    |
| 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          |
| MANAGEMENT                           |                           |                                                                                                |                 |                 |                                                                         |                                    |
| Smart RS-232 / USB                   |                           | Supports Windows® 2000 / 2003 / XP / Vista / 2008 / 7 / 8 / 10, Linux and MAC                  |                 |                 |                                                                         |                                    |
| Optional SNMP                        |                           | Power management from SNMP manager and web browser                                             |                 |                 |                                                                         |                                    |

\* In Frequency converter mode, the output capacity derate to 80% with output voltage adjusted to 200 / 208Vac

\* Product specifications are subject to change without further notice