# Winner Pro+


- 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 1-3K models
- Adjustable battery numbers only available for 6K/10K models
- Generator compatible
- Adjustable charging current via LCD or software (1A ~ 6A) only available for 6K/10K models
- Emergency power off (EPO) function is only available for 6K/10K models
- Comprehensive display allows easy monitoring and access of UPS status

## Winner Pro+ Online UPS Selection Guide

| MODEL | | Winner Pro+ 1K | Winner Pro+ 2K | Winner Pro+ 3K | Winner Pro+ 6K (L) | | Winner Pro+ 10K (L) | |
|---|---|---|---|---|---|---|---|---|
| **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 | | 100/110/115/120/127VAC or 200/208/220/230/240VAC | | | 208/220/230/240VAC | | | |
| Input Voltage Range | | 60-150 VAC or 120-300 VAC at 50% load<br>90-140 VAC or 180-280 VAC at 100% load | | | 110-300 VAC (Based on load at 50%)<br>176-300 VAC (Based on load at 100%) | | | |
| Frequency Range | | 40 Hz ~ 70 Hz | | | 46~54 Hz or 56~64 Hz | | | |
| Power Factor | | ≧0.99 @ Nominall Voltage (100% load) | | | | | | |
| **OUTPUT** | | | | | | | | |
| 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)<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% | 89% | 90% | 92% | | 93% | |
| Battery Mode | | 83% | 85% | 88% | 90% | | 91% | |
| **BATTERY** | | | | | | | | |
| 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 | 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) | | | |
| | Charging Voltage | 27.4VDC ± 1% | 54.7 VDC ±1% | 82.1 VDC ±1% | 218.4VDC ±1% | 273VDC ±1% | 218.4VDC ±1% | 273VDC ±1% |
| Long-run Model | Battery Type | N/A | | | Depending on the capacity of external batteries | | | |
| | Numbers | | | | 16 ~ 20 (Adjustable) | | | |
| | Charging Current (max.) | | | | 1A/2A/4A/6A (Adjustable, 6A is only available for 16pcs batteries) | | | |
| | Battery Type | | | | 273 VDC ±1% (Based on 20pcs 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 | | Continously sounding | | | | | | |
| **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 | 74 | 66 | 76 |
| Long-run Model | Dimension, D x W x H(mm) | N/A | | | 369 x 190 x 318 | | 442 x 190 x 318 | |
| | Net Weight (kgs) | | | | 12 | | 16 | |
| **ENVIRONMENT** | | | | | | | | |
| Humidity | | 20-90 % RH @ 0- 40°C (Non-condensing) | | | 0-95% RH @ 0-40°C (non-condensing) | | | |
| Noise Level | | Less than 50dB @ 1 Meter | | | Less than 55dB @ 1 Meter | | Less than 58dB @ 1 Meter | |
| **MANAGEMENT** | | | | | | | | |
| Smart RS-232 / USB | | Supports Windows® 2000/2003/XP/Vista/2008, Windows® 7/8, Linux 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
Product specifications are subject to change without further notice