On-line UPS

USE UPS POWER | SINGLE PHASE

Winner Pro+

- True double-conversion
- Microprocessor control optimizes reliability
- Input power factor correction
- Output power factor 0.9
- Wide input voltage
- Converter mode available
- Adjustable battery numbers
- 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

Winner Pro+ Online UPS Selection Guide

MODEL	Winner Pro+ 1K (L)	Winner Pro+ 2K (L)	Winner Pro+ 3K (L)	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	6000VA / 5400W	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 (Based on load at 50%) 90-145 VAC or 180-300 VAC (Based on load at 100%)			110-300 VAC (Based on load at 50%) 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	110/115/120/127VAC or 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							
Transfer Time — Inverter to Bypass	4 ms (Typical)			Zero				
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				
Standard Model — Numbers	2	3	4	6	6	16	20	16	20
Standard Model — Typical Recharge Time	4 hours recover to 90% capacity			9 hours recover to 90% capacity				
Standard Model — Charging Current (max.)	1 A			1 A / 2 A				
Standard Model — Charging Voltage	27.4VDC ± 1%	41.0VDC ± 1%	54.7 VDC ±1%	82.1 VDC ±1%	82.1 VDC ±1%	218.4 VDC±1%	273VDC ±1%	218.4 VDC±1%	273VDC ±1%
Long-run Model ** — Battery Type	Depending on applications							
Long-run Model ** — Numbers	3	6	6	16 ~ 20 (Adjustable)				
Long-run Model ** — Charging Current (max.)	1.0A/2.0A/4.0A/6.0 A			1A/2A/4A/6A (Adjustable, 6A is only available for 16pcs batteries)				
Long-run Model ** — Charging Voltage	41.0 VDC ±1%	82.1 VDC ±1%	82.1 VDC ±1%	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	Continuously sounding							

PHYSICAL

Standard Model	Dimension, D x W x H (mm)	282x145 x220	397x145 x220	397 x 145 x 220	421 x 190 x 318	421 x 190 x 318	369 x 190 x 688		442 x 190 x 688	
	Net Weight (kgs)	9.8	11.4	17	26.2	27.6	61	74	66	76
Long-run Model **	Dimension, D x W x H (mm)	282 x 145 x 220	397 x 145 x 220				369 x 190 x 318		442 x 190 x 318	
	Net Weight (kgs)	4.4	6.8		7.6		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 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® 7/8/10, Linux and MAC
Optional SNMP	Power management from SNMP manager and web browser

*1-3KVA: Derate to 70% of capacity in Frequency converter mode or when the output voltage is adjusted to 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 208/220/230/240VAC systems.
Product specifications are subject to change without further notice.