

# 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 1-3KVA models
- Adjustable battery numbers
- 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		Zero		Zero		Zero		
	Inverter to Bypass		4 ms (Typical)		Zero		Zero		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			
	Numbers	2	3	4	6	6	16	20	16	20	
	Typical Recharge Time	4 hours recover to 90% capacity						9 hours recover to 90% capacity			
	Charging Current (max.)	1 A / 2 A									
Long-run Model**	Charging Voltage	27.4VDC ± 1%	41.0VDC ± 1%	54.7VDC ± 1%	82.1 VDC ± 1%	82.1 VDC ± 1%	218.4 VDC ± 1%	273VDC ± 1%	218.4 VDC ± 1%	273VDC ± 1%	
	Battery Type	Depending on applications									
	Numbers	3		6		6		16 ~ 20 (Adjustable)			
	Charging Current (max.)	1.0A/2.0A/4.0A/6.0 A						1A/2A/4A/6A (Adjustable, 6A is only available for 16pcs batteries)			
	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.

# Winner Pro<sup>+</sup> Rack Tower/Rackmount



- 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 1-3K 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

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## Winner Pro<sup>+</sup> Rack Tower/Rackmount Online UPS Selection Guide

MODEL	Winner Pro <sup>+</sup> 1KR(L)	Winner Pro <sup>+</sup> 2KR(L)	Winner Pro <sup>+</sup> 3KR(L)	Winner Pro <sup>+</sup> 6KR(L)	Winner Pro <sup>+</sup> 10KR (L)				
<b>PHASE</b>	Single phase with ground								
<b>CAPACITY *</b>	1000 VA / 900 W	2000 VA / 1800 W	3000 VA / 2700 W	6000VA / 5400W	10000 VA / 9000 W				
<b>INPUT</b>									
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)								
<b>OUTPUT</b>									
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			46Hz ~ 54 Hz or 56Hz ~ 64 Hz					
Frequency Range (Batt. Mode)	50 Hz or 60Hz ± 0.5%			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			0 ms				
	Inverter to Bypass	4 ms (Typical)			0 ms				
Waveform (Batt. Mode)	Pure Sinewave								
<b>EFFICIENCY</b>									
AC Mode	88%	89%	90%	92%	93%				
Battery Mode	83%	87%	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				
	Numbers	2	3	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 A				1A/2A (Adjustable)			
Long-run Model **	Charging Voltage	27.4VDC ± 1%	41.0VDC ± 1%	54.7 VDC ± 1%	82.1 VDC ± 1%	218.4 VDC ± 1%	273VDC ± 1%	218.4 VDC ± 1%	273VDC ± 1%
	Battery Type	Depending on applications							
	Numbers	3	6	6	16 ~ 20 (Adjustable)				
	Charging Current (max.)	1.0A/2.0A/4.0A/6.0 A				1A/2A/4A/6A (Adjustable, 6A is only available for 16 pcs batteries)			
	Charging Voltage	41.0 VDC ± 1%	82.1 VDC ± 1%	82.1 VDC ± 1%	218.4 VDC ± 1% (Based on 16 pcs batteries)				
<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)	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 [3U]	UPS Unit: 580x438x133[3U] Battery Pack: 580x438x133 [3U]		
	Net Weight (kgs)	12	14.1	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	460 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	
<b>ENVIRONMENT</b>									
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		
<b>MANAGEMENT</b>									
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  
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