

Win



- 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

Win Online UPS Selection Guide

MODEL	Win 1000		Win 2000		Win 3000	Win 6000		Win 10 000			
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						
	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			
	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.

Win T 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

Win T Rack Tower/Rackmount Online UPS Selection Guide

MODEL	Win 1000 T	Win 2000 T	Win 3000 T	Win 6000 T	Win 10 000 T				
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			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								
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	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)				
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)	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	
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® 7/8/10, Linux and MAC								
Optional SNMP	Power management from SNMP manager and web browser								

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