

# On line



- True double-conversion
- Microprocessor control optimizes reliability
- Input power factor correction
- Output power factor 0.8
- Wide input voltage (110 V – 300 V)
- Converter mode available
- ECO mode for energy saving (Only available for 1-3KVA)
- Generator compatible
- Adjustable battery number only available for 6K and up models
- Smart SNMP works well with either USB or RS-232 together
- Emergency power off function (EPO) only available for 6K/10K models
- Optional isolation transformer available.  
(Please check sales directly)

## Online UPS Selection Guide

MODEL	W-1KM/L	W-2KM/L	W-3KM/L	W-6KM/L	W-10KM/L				
<b>PHASE</b>	Single phase with ground								
<b>CAPACITY *</b>	1000 VA / 800 W	2000 VA / 1600 W	3000 VA / 2400 W	6000VA / 4800W	10000 VA / 8000 W				
<b>INPUT</b>									
Nominal Voltage	100/110/115/120/127VAC or 200/208/220/230/240VAC			208/220/230/240VAC					
Input Voltage Range	55-150 VAC or 110-300 VAC (Based on load at 50%) 85-140VAC or 160-280VAC (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 @ Nominal Voltage (100% load)								
<b>OUTPUT</b>									
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 ± 0.25 Hz or 60Hz ± 0.3 Hz			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)						
Waveform (Batt. Mode)	Pure Sinewave								
<b>EFFICIENCY</b>									
AC Mode	88%	88%	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	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			1 A / 2 A				
Long-run Model **	Charging Voltage	27.4VDC ± 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 the capacity of external batteries							
	Numbers	2	3	4	6	8	6	8	16 ~ 20 (Adjustable)
	Charging Current (max.)	1A/2A/4A/6A (Adjustable)					1A/2A/4A/6A (Adjustable, 6A is only available for 16pcs batteries)		
Charging Voltage	27.4VDC ± 1%	41.0VDC ± 1%	54.7 VDC ±1%	82.1 VDC ±1%	108.4VDC ±1%	82.1 VDC ±1%	108.4VDC ±1%	273 VDC ±1% (Based on 20pcs 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)	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)	282 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			
<b>ENVIRONMENT</b>									
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			
<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 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.

\*\*Long-run model is only available for 200/208/220/230/240VAC systems (200VAC system only available for 1-3KVA).

Product specifications are subject to change without further notice.