ONLINE UPS

Winner

Winner 2K(L) / 3K(L)

Winner 1K(L)

- 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
- Generator compatible
- Charger capacity expansion to 6A for long-run models
- Smart SNMP works well with either USB or RS-232 together
- Comprehensive display allows easy monitoring and access of UPS status

Winner 1KVA/2KVA/3KVA Online UPS Selection Guide

MODEL		Winner 1K (L)	Winner 2K (L)		Winner 3K (L)	
PHASE		Single phase with ground				
CAPACITY		1000 VA / 800 W	2000 VA / 1600 W		3000 VA / 2400 W	
INPUT						
Voltage Range	Low Line Transfer	160 VAC / 140 VAC / 120 VAC / 110 VAC ± 5 % (based on load percentage 100% - 80 % / 80 % - 70 % / 70 - 60 % / 60 % - 0)				
	Low Line Comeback	168 VAC / 148 VAC / 128VAC / 118 VAC ± 5 % (based on load percentage 100% - 80 % / 80 % - 70 % / 70 - 60 % / 60 % - 0)				
	High Line Transfer	300 VAC ± 5 % or 150 VAC ± 5 %				
	High Line Comeback	290 VAC ± 5 % or 145 VAC ± 5 %				
Frequency Range		40Hz ~ 70 Hz				
Power Factor		≧0.99 @ Nominal Voltage (Full load)				
OUTPUT						
Output Voltage		200/208/220/230/240VAC				
Voltage Regulation		± 1 %				
Frequency Range (Synchronized Range)		47~ 53 Hz or 57 ~ 63 Hz				
Frequency Range (Batt. Mode)		50 Hz ± 0.2 Hz or 60Hz ± 0.2 Hz				
Current Crest Ratio		3:1				
Harmonic Distortion		≦ 2 % THD (Linear Load) ; ≦ 4 % THD (Non-linear Load)				
Transfer Time	AC to DC	Zero				
	Inverter to Bypass	4 ms (Typical)				
Waveform (Batt. Mode)		Pure Sinewave				
EFFICIENCY						
To AC Mode		87%	90%		90%	
To Battery Mode		83%	87%		89%	
BATTERY						
Standard Model	Battery Type	12 V / 7 Ah	12 V / 7 Ah		12 V / 9 Ah	
	Numbers	3	6	8	6	8
	Typical Recharge Time	4 hours recover to 90% capacity				
	Charging Current (max.)	1.0 A				
	Charging Voltage	41.0 VDC ± 1%	82.1 VDC ±1%	109.4VDC ±1%	82.1 VDC ±1%	109.4VDC ±1%
Long-run Model	Battery Type	Depending on the capacity of external batteries				
	Numbers					
	Charging Current (max.)	1.0A/2.0A/4.0A/6.0 A				
	Charging Voltage	41.0 VDC ± 1%	82.1 VDC ±1%	109.4VDC ±1%	82.1 VDC ±1%	109.4VDC ±1%
INDICATORS						
LCD or LED		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)	397 X 145 X 220	419 X 190 X 318			
	Net Weight (kgs)	13	26	30.5	28	33
Long-run Model	Dimension, D x W x H(mm)	397 X 145 X 220	419 X 190 X 318			
	Net Weight (kgs)	7.0	13		13	
ENVIRONMENT						
Humidity		20-90 % RH @ 0- 40°C (non-condensing)				
Noise Level		Less than 45dBA @ 1 Meter				
MANAGEMENT						
Smart RS-232 / Optional USB		Supports Windows[2] 2000/2003/XP/Vista/2008, Windows[2] 7, Linux, Unix, and MAC				
Optional SNMP		Power management from SNMP manager and web browser				

* Derate to 80% of capacity in Frequency converter mode and to 80% when the output voltage is adjusted to 100/200/208VAC
Product specifications are subject to change without further notice.