



## ONLINE UPS

- True double-conversion online UPS
- Output power factor 0.9
- Rack/Tower design
- User-friendly and easy-shift LCD display
- Wide input voltage range (110-300 VAC)
- Active input power factor correction 0.99
- 50/60 Hz Frequency Converter Mode
- Emergency Power Off (EPO) Function
- Generator compatible
- Charger capacity expansion to 4A for long-run models
- SNMP/USB/RS-232 communications
- 3-stage extendable charging design for optimized battery performance



WIN-6KVAGX9/WIN-10KVAGX9



- 1 RS-232 communication port
- 2 USB communication port
- 3 EPO (Emergency Power Off) connector
- 4 Share current port
- 5 Parallel port
- 6 Intelligent slot
- 7 EMBS (External Maintain Bypass Switch) port
- 8 External battery connector
- 9 Input circuit breaker
- 10 Input terminals
- 11 Ground
- 12 Output terminals

MODEL	WIN-6KVAGX9	WIN-10KVAGX9	
<b>CAPACITY*</b>	6000 VA / 5400 W	10000 VA / 9000 W	
<b>INPUT</b>			
Voltage Range	110 VAC $\pm$ 3 % at 50% Load; 176 VAC $\pm$ 3 % at 100% Load		
Low Line Transfer	Low Line Loss Voltage + 10V		
Low Line Comeback	300 VAC $\pm$ 3 %		
High Line Transfer	High Line Loss Voltage - 10V		
High Line Comeback			
Frequency Range	46Hz ~ 54 Hz @ 50Hz system; 56Hz ~ 64 Hz @ 60Hz system		
Phase	Single phase with ground		
Power Factor	$\geq$ 0.99 @ 100 Load		
<b>OUTPUT</b>			
Output voltage	200/208/220/230/240VAC		
AC Voltage Regulation	$\pm$ 1% (Batt. Mode)		
Frequency Range (Synchronized Range)	46 ~ 54 Hz or 56 ~ 64 Hz		
Frequency Range (Batt. Mode)	50 Hz $\pm$ 0.1 Hz or 60Hz $\pm$ 0.1 Hz		
Overload	AC Mode	100%~110%: 10min \ 110%~130%: 1min \ >130% : 1sec	
	Battery Mode	100%~110%: 30sec \ 110%~130%: 10sec \ >130% : 1sec	
Current Crest Ratio	3:1		
Harmonic Distortion	$\leq$ 2 % THD (Linear Load), $\leq$ 4 % THD (Non-linear Load)		
Transfer Time	AC Mode to Batt. Mode	Zero	
	Inverter to Bypass	Zero	
Waveform (Batt. Mode)	Pure Sinewave		
<b>EFFICIENCY</b>			
AC Mode	90 %		
Battery Mode	88 %		
<b>BATTERY</b>			
Standard Model	Battery Type	12 V / 7 AH	12 V / 9 AH
	Numbers	20	20
	Recharge Time	7 hours recover to 90% capacity (Typical)	9 hours recover to 90% capacity (Typical)
	Charging Current	1 A $\pm$ 10% (max.)	
Long-run Model	Charging Voltage	273 VDC $\pm$ 1%	
	Battery Type	Depending on applications	
	Battery Numbers	18 - 20*	
	Charging Current	4 A $\pm$ 10% (max.)	
Charging Voltage	273 VDC $\pm$ 1% (based on 20-pc batteries)		
<b>PHYSICAL</b>			
Dimension, D X W X H (mm)	UPS unit: 580X438 X133 Battery pack: 580X438 X133	UPS unit: 668X438 X133 Battery pack: 580X438 X133	
Net Weight (kgs)	UPS unit: 20 Battery pack: 57	UPS unit: 23.5 Battery pack: 63	
<b>ENVIRONMENT</b>			
Operation Humidity	0-95 % RH @ 0- 40°C (non-condensing)		
Noise Level	Less than 55dBA @ 1 Meter	Less than 58dBA @ 1 Meter	
<b>MANAGEMENT</b>			
Smart RS-232 or USB	Supports Windows® family, Linux and MAC		
Optional SNMP	Power management from SNMP manager and web browser		

\*When using internal batteries from 18-19, the unit will de-rate according to below formula: P=Prating x N/20