-Online tower UPS-

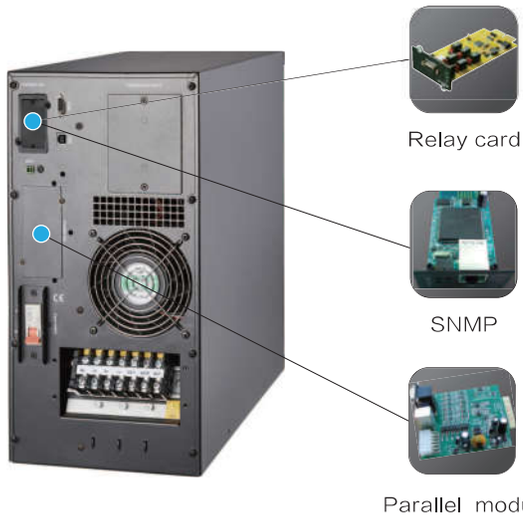
UB Series 6~10kVA 1:1phase PF:0.9

Features

- True double-conversion
- DSP technology guarantees high reliability
- N+X parallel redundancy
- Selectable quantity of battery for each group:16/18/20 pieces
- 3-stage charging design optimizes battery performance
- ECO mode operation for energy saving
- Self-diagnosis at startup
- Emergency power off function (EPO)
- Maintenance bypass (Optional) is convenient for maintenance
- Generator compatible
- Communications:RS-232,USB,SNMP card (Optional), Relay card (Optional)
- Cold start

Battery Cabinets.
(Optional)

Control Panel



Rear Panel

Technical Specifications

MODEL		UB60	UB60L	UB100	UB100L
Capacity (VA/Watts)		6K / 5.4K		10K / 9K	
INPUT					
Nominal Voltage		220/230/240Vac(L+N+PE)			
Operating Voltage Range		120~276Vac			
Operating Frequency Range		50Hz：45~55Hz，60Hz：54~66Hz			
Power Factor		≥0.99			
Bypass Voltage Range		Max.voltage: 220V：+25%(Optional +10%,+15%,+20%)			
		230V：+20%(Optional +10%,+15%)			
		240V：+15%(Optional +10%)			
		Min. voltage: −45% (Optional −20%,−30%)			
ECO Range		Same as bypass			
Harmonic Distortion (THDi)		≤5%(100% non−linear load)			
OUTPUT					
Output Voltage		220/230/240Vac			
Power Factor		0.9			
Voltage Regulation		±1%			
Frequency	Line Mode	±1%/±2%/±4%/±5%/±10% of the rated frequency(Optional)			
	Bat. Mode	(50/60±0.1)Hz			
Crest Factor		3:1			
Harmonic Distortion (THDv)		≤2% with linear load			
		≤5% with non−linear load			
Waveform		Pure Sinewave			
Transfer Time		Utility to Battery : 0ms; Utility to Bypass: 0ms			
EFFICIENCY					
Efficiency		Up to 94%			
BATTERY					
Battery Voltage		Selectable Voltage: ±96/108/120Vdc			
Typical Recharge Time		6~8 hours (To 90% capacity)			
Charging Current		Maximum current 10A			
PROTECTION					
Overload	Line Mode	Load≤125%: last 5min;≤150%: last 1min;＞150% 200ms turn to bypass mode			
	Bypass Mode	40A(Input breaker)		60A(Input breaker)	
Short Circuit		Hold Whole System			
Overheat		Line Mode: Switch to Bypass; Backup Mode: Shut down UPS immediately			
Battery Low		Alarm and Switch off			
INDICATORS					
Audible & Visual Alarms		Line Failure, Battery Low, Overload, System Fault			
Status LED & LCD Display		Line Mode, Backup Mode, Eco Mode, Bypass Mode, Battery Low, Battery Bad, Overload & UPS Fault			
Parameters On The LCD Panel		Input/Output Voltage, Input/Output Frequency, Load Level, Battery Level, Inner Temperature & Remaining Battery Backup Time			
MANAGEMENT					
Communication Interface		RS−232,USB,Parallel card(Optional), SNMP card(Optional), Relay card (Optional)			
ENVIRONMENT					
Operating Temperature		0～40℃			
Storage Temperature		−25～55℃			
Humidity Range		0～95% (Non−condensing)			
Altitude		＜1500m			
Noise Level		<55dB			
PHYSICAL					
Dimension W×D×H (mm)		250×502×616	220×481×438	250×502×616	220×481×438
Net Weight (kg)		62	18	64	20
STANDARDS					
Noise Suppression		Complies with EN62040−2			
Safety		IEC/EN62040−1,IEC/EN60950−1			
EMC		IEC/EN62040−2,IEC61000−4−2,IEC61000−4−3,IEC61000−4−4, IEC61000−4−5,IEC61000−4−6,IEC61000−4−8			
BATTERY PACK					
Model		EXB±120V			
Battery type& Max.quantity		7Ah×40/9Ah×40			
Dimensions W×D×H (mm)		250×502×616			
Net Weight (kg)		125.6/138			

Specifications are subject to change without prior notice.