

## Green Power 60/80/100/120/160/200 kVA ONLINE UPS (3/3)

# Green Power

### True double conversion online technology

Online UPS is the most suitable choice, especially for computers and other sensitive devices. This type of UPS completely isolates your sensitive devices from the mains and feeds your sensitive devices connected with the help of filters in the mains. As a result, all unwanted situations that may occur in the network are filtered by the online UPS and your sensitive devices are fed with pure power.

### Pure sinewave output

Full compatibility with all kinds of electrical devices, the ideal solution for your medical and similar critical applications.

### Wide input voltage range (305-478 VAC)

Ability to work online even at very low and very high voltages without switching to the battery.

### Input power factor correction (PF=0.99)

It does not impose an additional compensation load on your line. It saves on your electricity bills.

### High output power factor (PF=1)

The UPS provides 28% extra power at the output compared to the standard UPS which are 0.7 power factor. That's why, it supports more electrical/electronics devices.

### Intelligent charging technology for optimal battery performance

Since it charges the battery with a special charging technique, it extends the life of the battery, reduces your operating costs and provides savings.

### High performance microprocessor

Thanks to the digital structure and high speed of the CPU-controlled control board it provides full protection by performing the protection functions of the UPS such as overload, short circuit, low-high voltage and over-temperature in a timely manner, thus ensuring that the UPS has a stable and reliable structure.

### Capacity up to 200kVA in compact structure

It allows high-power devices to be placed in tight spaces such as server rooms.



### High online efficiency

Thanks to its advanced technology, PowerUP X9 reaches an average efficiency level of %93 and pays of its investment cost in a short time.

### Parallel structure (Optional)

PowerUP X9 UPS has the ability to parallel up to 6 units. A communication cable is sufficient for this.

### Generator compatibility

By facilitating power transition from generator to load, it allows you to use generator with lower capacity.



With the easy to read multifunctional LCD display everything is under control. Thanks to new advanced LCD screen, input-output values and alarms can be easily monitored.

# TECHNICAL SPECIFICATION

MODEL	GP3360H	GP3380H	GP33100H	GP33120H	GP33160H	GP33200H
<b>CAPACITY (kVA/kW)</b>	60	80	100	120	160	200
<b>INPUT</b>						
Rated voltage	380/400/415 VAC					
Voltage range	138-485 VAC					
Frequency range	40 Hz-70 Hz					
Power factor	≥ 0.99					
Current THDi	≤3% (100% non-linear load)					
Bypass voltage range	Max.voltage: 220 VAC:+25 % ( optional +10%, +15%, +20%); 230 VAC:+20 % ( optional +10%, +15%); 240 VAC:+15 % ( optional +10%); Min. voltage:-45 % (optional -10%, -20%, -30% ) Frequency Protection Range: ±10 %					
Generator input	Supports					
<b>OUTPUT</b>						
Rated voltage	380/400/415 VAC					
Power factor	1					
Voltage regulation	±1%					
Frequency	1.Line Mode: sync with login; input frequency > ±% 10 when (±1%/±2%/±4%/±5% optional), output (50/60±0.1%)Hz. 2.Battery Mode:(50/60±0.1%)Hz					
Crest Factor	3:1					
THDv	≤2% linear load ≤4% non-linear load					
Efficiency	95%					
Transfer time	Normal to battery: 0ms; Normal to bypass: 0ms					
Overload	AC Mode	Load ≤110%: 60 min. ≤125%: 10 min. ≤150%: 1 min.				
	Battery Mode	Load ≤110%: 60 min. ≤125%: 10 min. ≤150%: 1 min.				
	By-pass Mode	Temperature ≤30°C, load ≤ 135%: works for a long time / Temperature ≤ 40°C, load ≤ 125% works for a long time / 100% load: runs up to 100ms				
<b>BATTERY</b>						
Voltage	Optional Voltage: ±180V/192V/±204V/±216V/±228V/±240/±252/±264/±276/±288/±300Vdc (30/32/ 34/36/38/40/42/44/46/48/50 peice optional) 360Vdc~600Vdc (30~50 peice, 30 peice defined, 32 ve 50 peice without power loss; 30 peice output power factor 0.8)					
Charge current (A) adjustable according to battery capacity	20A		40A		60A	
<b>SYSTEM FEATURES</b>						
Alarm	Overload, Line abnormal, UPS fault, Low battery, etc.					
EPO (Optional)	UPS shuts down					
Protection	Short circuit, Overload, Over temperature, Undercurrent, Fan fault alarm					
Comunication	USB, RS232, RS485, Parallel port, REPO port, LBS port, Backfeed port, Intelligent slot, SNMP card (optional), Relay board (optional)					
Status LED & LCD	Line mode, Bypass mode, Battery low, Battery faulty, Overload & UPS failure					
LCD Panel	Input voltage, Input frequency, Output voltage, Output frequency, Load percentage, Battery voltage					
<b>DIMENSIONS &amp; WEIGHT</b>						
D x W x H (mm)	828 x 250 x 868			850 x 442 x 1200		
Weight (kg)	83	144	147	152	200	230
<b>ENVIRONMENTAL</b>						
Operating temperature	0-40°C					
Humidity	0-95% relative humidity (non-condensing)					
Noise level	<58dB	<60dB		<62dB	<63dB	<66dB
Storage temperature	-25°C~55°C (without battery)					
Altitude	<1500m. > when 1500m, reduce the rated power for use					
<b>SOFTWARE &amp; MANAGEMENT</b>						
Operating Systems	Muser 5000: Windows 10 64 bit					
Interfaces	CAN, RS485, FE, LBS, Parallel, relay card, SNMP card (optional)					
<b>STANDARDS</b>						
EMC	IEC/EN62040-3, IEC61000-4-2, IEC61000-4-3, IEC61000-4-4, IEC61000-4-5, IEC61000-4-6, IEC61000-4-8					
Safety	CE, EN/IEC 62040-3, EN/IEC 62040-1-1					