FORTE
UNINTERRUPTIBLE POWER SUPPLY

Green Power

10/15/20/30/40 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 is 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.

CE

TECHNICAL SPECIFICATION

MODEL		GP3310S/H	GP3315S/H	GP3320S/H	GP3330S/H	GP3340S/H
CAPACITY (kVA/kW)		10	15	20	30	40
INPUT						
Nominal voltage		380/400/415Vac, (3Ph+N+PE)				
Input voltage range		305~478Vac (Full Load); 208~478Vac (50% Load)				
Frequency		40Hz-70Hz				
Power factor		≥0.99				
THDi		≤3% (100% nonlinear load)				
Bypass voltage range		220Vac Max.voltage: +25%(optional +10%,+15%,+20%) 230Vac Max.voltage: +20%(optional +10%,+15%) 240Vac Max.voltage: +15%(optional +10%) Min. voltage: -45% (optional -20%,-30%)				
Bypass Synchronization		±1%/±2%/±4%/±5%/±10% optional (default:±10%)				
Generator Input		Support				
OUTPUT						
Power factor		0.9/1.0				
Nominal AC Voltage		380/400/415Vac, (3Ph+N+PE)				
Voltage Regulation		±1%				
Transient Voltage Response		±5% (linear load)				
Frequency		1.Line Mode: synchronize with input; when input frequency ±10% (±1%/±2%/±4%/±5% optional), output (50/60±0.1%)Hz. 2.Battery Mode:(50/60±0.1%)Hz				
Crest factor		3:1				
Harmonic distortion (THDv)		< 2% (linear load), <5% (non linear load)				
Overload Capacity	AC Mode	Load≤110%: last 60min change to bypass, ≤125%: last 10min, change to bypass, ≤150%: last 1min change to bypass, >150% change to bypass immediately				
	Battery Mode	Load≤110%: last 10min , ≤125%: last 1min ,≤150%: last 5S, ＞ 150% shut down UPS immediately				
Efficiency	Normal Mode	Up to 93.5%	Up to 94.5%			
Transfer Time		Utility to Battery : 0ms; Utility to bypass: 0ms				
BATTERY						
Battery voltage	Standard unit	±120Vdc (20pcs 12V9AH); (2x20pcs 12V9AH optional)	±120Vdc (2x20pcs 12V9AH)		±120Vdc (3x20pcs 12V9AH)	±180Vdc (2x30pcs 12V9AH)
	Long run unit	10-30kVA: ±96/108/120Vdc; battery quantity (16~20 pcs, 16 pcs define, Standard unit and 20 pcs no power derating; 18 pcs output power factor 0.8/0.9; 16 pcs output power factor 0.7/0.8;)				40 kVA: ±180/192/204/216/228/240/252/264/276/288/300 Vdc (30/32/34/36/38/40/42/44/46/48/50pcs)
Charge Current(A) (charge current can be set according to battery capacity installed)		Standard unit: 1.35A (2.7A optional); Long run unit: Max. current 14A (limited by input current)	Standard unit: 2.7A; Long run unit: Max. current 16A (limited by input current)	Standard unit: 2.7A; Long run unit: Max. current 18A (limited by input current)	Standard unit: 4.05A; Long run unit: Max. current 20A (limited by input current)	Standard unit: 2.7A; Long run unit: Max. current 20A (limited by input current)
SYSTEM FEATURE						
Alarms		overload, utility abnormal, UPS fault, battery low, etc.				
Protection		short circuit, overload, over temperature, battery low, fan fault alarm, EPO (optional)				
Communication Interface		USB, RS232,RS485, Parallel port, Dry contact, Intelligent slot, SNMP card (optional), Relay card (optional),Battery temperature sensor(optional)				
ENVIRONMENTAL						
Operating Temperature		0℃～40℃				
Storage Temperature		-25℃～55℃(no battery)				
Humidity		0～95% non condensing				
Acoustical Noise (from 1M distance)		<55dB		<58dB	<61dB	<64dB
Altitude		< 1500m.When>1500m,lower the rated power for use				
DIMENSIONS & WEIGHT						
W×D×H (mm)		Standard unit：250×900×868 Long run unit：250×580×655				
Weight (kg)		129/35	186/39	187/40	236/43	239/46
STANDARDS						
Safety certifications		IEC/EN62040-1,IEC/EN60950-1				
EMC		CE, IEC/EN62040-2, IEC61000-4-2, IEC61000-4-3, IEC61000-4-4, IEC61000-4-5, IEC61000-4-6, IEC61000-4-8				