



Power Protection Specialist



Shangyu (Shenzhen) Technology Co.,Ltd.

Tel:+86 0755-23282881

Hotline:+86 400-0505-800

E-mail:sales@cpsypower.com

Web:www.cpsypower.com

Add:1F, Building B3, Shangyu Science And Technology Park,
26 Lougang Avenue, Baoan District, Shenzhen,china.



BROCHURE

UPS Power Protection Solutions



Shangyu (Shenzhen) Technology Co.,Ltd.



Company Profile



Shangyu (Shenzhen) Technology Co.,Ltd.(called Shangyu for short) founded in 2011, focus on the field of power solutions, it is a professional manufacturer of uninterruptible power supply (UPS) and battery. Which located in Baoan district, Shenzhen, China Shangyu covers an area of 7000 square meters, more than 150 employees, passed ISO9001, ISO14001, OHS18001 and TCL Quality management system, and all UPS products has CE, Rohs, CQC etc certificate. Shangyu UPS range is from 500VA to 600KVA, including offline UPS, high frequency online UPS, low frequency online UPS, modular UPS, outdoor UPS, battery cabinet and battery,etc, Shangyu products had been widely used in government, finance, telecommunications, electricity, transportation, scientific research institutes, manufacturing and military industries, CMCC, CCTV, SGCC, etc.

We offer OEM & ODM customized services to satisfying customers' specific requirements and keep expanding our services network, now we have more than 20 branches in China and our oversea market is mainly Asia, Africa, Europe, South America, and we are seeking distributors and partners around the world.

Shangyu always insist Customer first, quality best, Focus on the innovation and improve the reliability,to be the most reliable supplier of the power system in the world.



High-tech park



Office Area



Warehouse



Production Line

Production Process



Application

Government



Financial



Communication



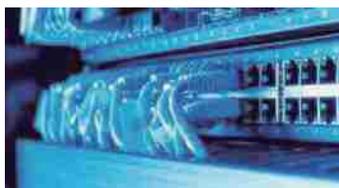
Traffic



Data Center



Network



Manufacturing



Medical



Business Center



Standard System and Efficient Service

Shangyu has set up two R&D centers in shenzhen, respectively, to research and develop UPS products and refrigeration products. With nearly 50 high quality, high technical personnel, strong capital support, first-class technical equipment and ensure the IPD process management, makes Shangyu in control of core technology, new product development, in the same industry leading position, ensure the Shangyu products advanced, innovative, high reliability and high applicability.

Shangyu in response to the demand of the market change and technology innovation, has a group with the most advanced processing and testing equipment, at the same time, also has a group of excellent management talents and skilled technical workers, actively adopt new technology, new technology, to provide quality and reliable products to our customers.

Terminal Machine



Semi-finished Test Bench



Electric Bridge Tester



ICT Test Bed



Maintenance Equipment



Automatic Interconnecting Machine



Load Tester



Automatic Tape Braiding Machine



Crest Welder



**Substantial
Accomplishment**

Fruitful Harvest

In the attitude of the community and the consumer, Shangyu company as early as 2010 passed the ISO9001 international quality system certification and ISO14001 environment system certification, and OHSAS18001 occupational health system certification.

At the same time, Shangyu company with its excellent product quality and good reputation, many times won the national, provincial and municipal awards, and was "national high-tech enterprises", "China Power Society governing units", "Excellent product award" and so on. Its products through the national Ministry of Industry and TLC, CQC, CE, RoHS certification, radio and television network permits, etc.



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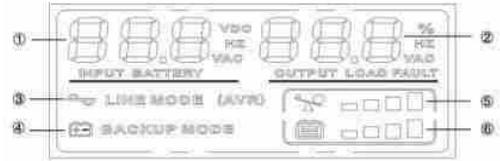
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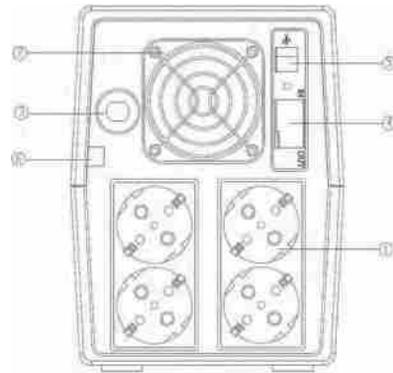


Line Interactive UPS

S UPS series (from 500VA to 2000VA)



- ① Input voltage
- ② Output voltage
- ③ AC mode
- ④ Battery mode
- ⑤ Load level
- ⑥ Battery capacity



- ① Output receptacles(Optional)
- ② FAN(only1500va/2000va have)
- ③ Circuit breaker(Optional)
- ④ RS232 port(Optional)
- ⑤ Load level
- ⑥ Input receptacles

Feature:

- Compact size
- Cold start function
- Off-mode charging
- Generator compatible
- Auto restart while AC is recovering
- Offering LED and LCD display for selections
- Boost and buck AVR for voltage stabilization
- Excellent microprocessor control guarantees high reliability
- Built-in super smart charger, shorten 50% of charging time
- Optional USB/RS-232 communication port and RJ-11/RJ-45 protection

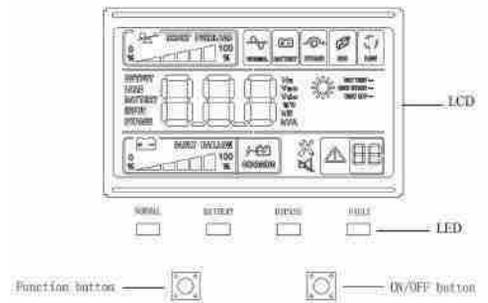
Technical data

Model	S500/550	S600/650	S800/850	S1000/1050	S1200/1250	S1500/1550	S2000/2050
CAPACITY	500VA / 300W	600VA / 360W	800VA / 480W	1000VA / 600W	1200VA / 720W	1500VA / 900W	2000VA / 1200W
INPUT							
Voltage	220/230/240 VAC						
Voltage Range	162-290 VAC						
Frequency Range	60/50 Hz (auto sensing)						
OUTPUT							
AC Voltage Regulation (Batt. Mode)	220VAC± 10%						
Frequency Range (Batt. Mode)	60 Hz or 50 Hz ±1 Hz						
Transfer Time	Typical 2-6 ms, max 10ms .						
Waveform (Batt. Mode)	Simulated Sine Wave						
BATTERY							
Battery Type & Number	12 V/7Ah x 1	12 V/9Ah x 1	12 V/7Ah x 2	12 V/9Ah x 2			
Typical Recharge Time	4hours up to 90% capacity			4-6 hours recover to 90% capacity			
PROTECTION							
Full Protection	Overload, discharge, and overcharge protection						
INDICATORS							
LCD Display	AC Mode, Battery Mode, Load Level, Battery Level, Input Voltage, Output Voltage, Overload, Fault, and Low Battery						
ALARM							
Battery Mode	Sounding every 10 seconds						
Low Battery	Sounding every second						
Overload	Sounding every 0.5 second						
Battery Replacement Alarm	Sounding every 2 seconds						
Fault	Continuously sounding						
ENVIRONMENT							
Humidity	0-90 % RH @ 0- 40°C (non-condensing)						
Noise Level	Less than 40dB						
MANAGEMENT							
Optional USB/RS-232 protection	Supports Windows22000/2003/XP/Vista/2008,Windows27,Linux,Unix,andMAC						
PHYSICAL							
Dimension D x W x H (mm)	284X100X140			325x 140 x 185			
Net Weight (kgs)	4.5	5.1	9.2	10.9			

* The two digits at the end of the model number, 50 means with an LCD display, and 00 means with LED indicators.

HP11 Tower UPS series - from 1kVA to 3kVA

Complete solution for industrial applications



Application:

PC, ATM machine, server, network, radio and television, microcomputer room, bank securities network, signal station, mobile base station.

- ① RS232 port
- ② Fans
- ③ Input breaker
- ④ AC input
- ⑤ Intelligent slot
- ⑥ Output socket
- ⑦ External battery connector



Feature :

- Advanced work mode DSP digital control Technology, high performance.
- Protection of comprehensive and reliable it can effectively solve 9 power problems such as power failure, surge, transient, spike, etc.
- The design of optimizing battery pack 1KVA-24VDC/36VDC(optional), 2KVA-48VDC/72VDC(optional) and 3KVA-72/96VDC(optional).
- Function of the charger extension charging current is 1-4A, support extended to 6A.
- More value-added services it can extended warranty service to 3years, free OEM design service, consulting service, training service.
- Intelligent management RS232/USB are optional.
- Strong adaptability to environment overload capacity is 120%.
- Overload capacity: 105%-125%, 1mins; load>125%,30s turn to bypass output ;load>150%,300ms turn off.

Technical data

Model	HP1101B / H		HP1102B / H	HP1103B / H
CAPACITY	1000 VA / 900 W		2000 VA / 1800 W	3000 VA / 2700 W
INPUT				
Voltage Range	110 - 300 VAC (Auto sensing)			
Frequency Range	46Hz ~ 55 Hz or 56Hz ~ 64 Hz			
Phase	Single phase with ground			
PowerFactor (nominal output @ full load)	≥ 0.99			
OUTPUT				
Output Voltage	200/208/220/230/240 VAC			
AC Voltage Regulation (Static)	± 1%			
Frequency Range (Synchronized Range)	48~ 52 Hz or 58 ~ 62 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), ≅ 6 % THD (Non-linear Load)			
Output Power factor*	0.8 / 0.9			
Transfer Time	AC Mode to Batt. Mode	0 ms		
	AC Mode to Bypass	4 ms (Typical)		
Waveform (Batt. Mode)	Pure sinewave			
EFFICIENCY(Peak)				
AC Mode (@100% RCD load)	88%			
Battery Mode (@100% RCD load)	83%			
BATTERY				
Standard Model	Battery Type	12V / 9Ah		
	Battery Numbers	2	4	6
	Typical Recharge Time	5 hours recover to 90% capacity		
	Charging Current	1A		
	Charging Voltage	27.4 VDC ± 1%	54.8 VDC ±1%	82.2 VDC ±1%
Long-run Model	Battery Type and Numbers	3	6	8
	Charging Current	Default 4A,4A/6A adjustable		
	Charging Voltage	41.1 VDC ± 1%	82.2 VDC ±1%	109.6 VDC ±1%
INDICATORS				
LED / LCD Panel	UPS status, Load level, Battery level, and Fault conditions			
ALARM				
Battery Mode	Sounding every 4 seconds			
Low Battery	Sounding every second			
Overload	Sounding twice every second			
Fault	Continuously sounding			
PHYSICAL				
Standard Model	DxWxH(mm)	350*145*228	395*190*328	395*190*328
	Net Weight (kgs)	9.6	17.5	23
Long-run Model	DxWxH(mm)	350*145*228	395*190*328	395*190*328
	Net Weight (kgs)	4.9	8.3	8.9
ENVIRONMENT				
Operation Humidity	20-95 % RH @ 0- 40°C (non-condensing)			
Noise Level	Less than 50dBA @ 1 Meter			
Optional SNMP				
Communication	RS232 Card / Optional USB Card, SNMP Card, or AS400 Card available			
	Supports Windows2 2000/2003/XP/Vista/2008, Windows2 7, Linux, Unix, and MAC			
Optional SNMP	Power management from SNMP manager and web browser			

* If the UPS is installed or used in a place where the altitude is above than 1000m, the output power must be derated one percent per 100m. Product specifications are subject to change without further notice

* When the temperature is lower than 30°C, the power factor can be adjusted to 0.9.

HP11 Tower UPS series - from 6kVA to 10kVA

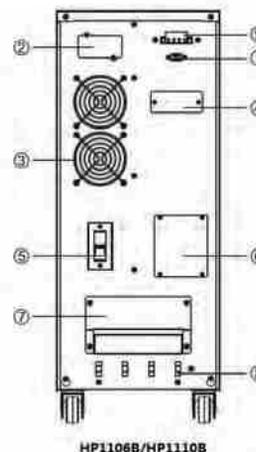
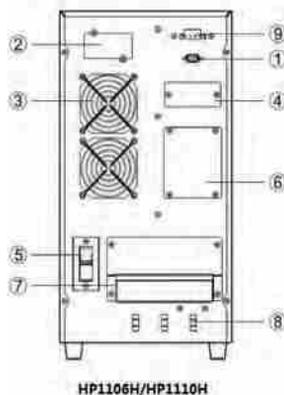
Complete solution for IT and industrial applications



Application:

Medical, small computer room, power, bank, telecom, government, transportation industry, manufacturing business, education, industrial control, sensitive electronic equipment, defense, petrochemical, etc.

- ① RS232 port
- ② Intelligent Slot
- ③ Fan
- ④ Parallel Slot
- ⑤ Breaker
- ⑥ Maintenance Cover
- ⑦ Terminal Block Cover
- ⑧ Cable Racks
- ⑨ EPO (Optional)



Feature:

- True double-conversion online UPS.
- DSP technology guarantees high performance.
- Up to 3 units parallel operation function for long-run time ups.
- 6kva/10kva ups external battery flexible adjustable with 16-20 pcs batteries, default 16pcs.
- Adjustable charging current via software (1A~4A).
- Comprehensive and reliable.
- Optional Emergency power off function (EPO).
- Maintenance bypass available.
- Intelligent management, SNMP/RS-232 communications.

Technical data

Model		HP1106B/H	HP1110B / H
PHASE		1 phase in / 1 phase out	
CAPACITY		6000 VA / 5400 W	10000 VA / 9000 W
INPUT			
Voltage Range	Low Line Transfer	110 VAC \pm 3% at 50% Load/176 VAC \pm 3% at 100% Load	
	Low Line Comeback	120 VAC \pm 3% at 50% Load/186 VAC \pm 3% at 100% Load	
	High Line Loss	300 VAC \pm 3%	
	High Line Comeback	290 VAC \pm 3%	
Frequency Range		46Hz ~ 54 Hz or 56Hz ~ 64 Hz	
Power Factor		\cong 0.99 @ 100% load	
OUTPUT			
Output Voltage		200/208/220/230/240VAC	
AC Voltage Regulation		\pm 1%	
Frequency Range (Synchronized Range)		46Hz ~ 54 Hz @ 50Hz system ; 56Hz ~ 64 Hz @ 60Hz system	
Frequency Range (Batt. Mode)		50 Hz \pm 0.1 Hz or 60 Hz \pm 0.1 Hz	
Current Crest Ratio		3:1 (max.)	
Harmonic Distortion		\cong 3 % THD (Linear Load), \cong 6 % THD (Non-linear Load)	
Transfer Time	Bypass to Inverter (Line mode)	0ms	
	Inverter to Bypass (Line mode)	0ms	
Waveform (Batt. Mode)		Pure Sinewave	
EFFICIENCY			
Line Mode		90%	
Battery Mode		89%	
BATTERY			
Standard Model	Battery Type	12 V / 7 AH	12 V / 9 AH
	Numbers	15 pcs	16 pcs
	Typical Recharge Time	9 hours recover to 90% capacity	
	Charging Current	Default:1.0 A Max.:2.0A	
	Float Charging Voltage	218.4 VDC \pm 1%	
Long-run Model	Battery Type	Depending on applications	
	Numbers	16-20 pcs (adjustable)	
	Charging Current	Default:4.0 A	
	Float Charging Voltage	218.4 VDC \pm 1% (based on 16 pcs batteries)	
INDICATORS			
LCD Panel		UPS status, Load level, Battery level, and Fault conditions	
ALARM			
Battery Mode		Sounding every 4 seconds	
Low Battery		Sounding every second	
Overload		Sounding twice every second	
Fault		Continuously sounding	
PHYSICAL			
Standard Model	DxWxH(mm)	526 x 248 x 615	
	Net Weight (kgs)	55	63
Long-run Model	DxWxH(mm)	518 x 240 x 459	
	Net Weight (kgs)	19.2	20
ENVIRONMENT			
Operation Humidity		0-95 % RH @ 0- 40°C (non-condensing)	
Noise Level		Less than 55dBA @ 1 Meter	Less than 58dBA @ 1 Meter
MANAGEMENT			
Smart RS-232		Supports Windows® 2000/2003/XP/Vista/2008, Windows® 7, Linux, Unix, and MAC	
Optional SNMP		Power management from SNMP manager and web browser	

* If the UPS is installed or used in a place where the altitude is above than 1000m, the output power must be derated one percent per 100m. Product specifications are subject to change without further notice

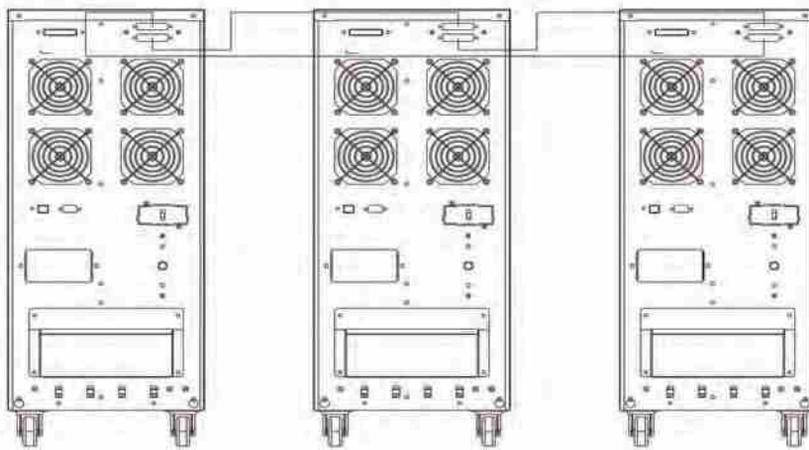
HP31 Tower UPS series - from 10kVA to 20kVA

Complete solution for IT infrastructures



Application:

Medical, small computer room, power,bank,telecom,
government,transportation industry, manufacturing
business, education, industrial control,sensitive electronic
equipment,defense, petrochemical, etc.



Parallel operation diagram

Feature :

- True double-conversion online technology.
- DSP IGBT PFC technology, high reliability.
- Wide input voltage range, Zero transfer time.
- N+1 reliable parallel redundancy technology,Paralleling up to 3 units.
- Protection against all types of power problems.
- 6KVA optional built-in isolation transformer,10KVA, 15KVA, 20KVA optional external isolation transformer.
- Optional configuration of a group of 16-20 batteries,default 16pcs.
- Low initial investment and flexible for future expansion.
- Optional Maintenance Bypass Switch.

Technical data

Model		HP3110H	HP3115H	HP3120H
PHASE		3-phase in / 1-phase out		
CAPACITY		10000 VA/9000 W	15000 VA/13500 W	20000 VA/18000 W
INPUT				
Voltage Range	Low Line Transfer	176 VAC (phase voltage) \pm 3% @ 100%load 110 VAC (phase voltage) \pm 3% @ 50%load		
	Low Line Comeback	186 VAC (phase voltage) \pm 3% @ 100% load 120 VAC (phase voltage) \pm 3% @ 50%load		
	High Line Transfer	300 VAC (phase voltage) \pm 3%		
	High Line Comeback	290VAC (phase voltage) \pm 3%		
Frequency Range		46~54Hz or 56~64Hz		
Power Factor		\geq 0.99 @ 100% load		
OUTPUT				
Output Voltage		200/208/220/230/240VAC		
AC Voltage Regulation (Batt. Mode)		\pm 1%		
Frequency Range (Synchronized Range)		46~54Hz or 56~64Hz		
Frequency Range (Batt. Mode)		50 Hz \pm 0.1 Hz or 60 Hz \pm 0.1 Hz		
Current Crest Ratio		3:1		
Harmonic Distortion		\leq 2%THD(LinearLoad) \leq 6%THD(Non-linearLoad)		
Transfer Time	AC Mode to Batt. Mode	Zero		
	Inverter to Bypass	Zero		
Waveform (Batt. Mode)		Pure sine wave		
EFFICIENCY				
AC Mode		90%		
Battery Mode		88%		
BATTERY				
Long-run Model	Battery Type	Depending on the capacity of external batteries		
	Numbers	16-20 pcs (adjustable)		
	Charging Current (max.)	4A		
	Charging Voltage	219.2 VDC \pm 1%		
INDICATORS				
LCD Display		UPS status, Load level, Battery level, and Fault conditions		
ALARM				
Battery Mode		Sounding every 4 seconds		
Low Battery		Sounding every second		
Overload		Sounding twice every second		
Fault		Continuously sounding		
PHYSICAL				
Long-run Model	DxWxH(mm)	518*240*459	526*248*615	
	Net Weight (kgs)	20.5	32	
ENVIRONMENT				
Humidity		0-95 % RH @ 0- 40°C (non-condensing)		
Noise Level		Less than 58dB @ 1 Meter Less than 60dB @ 1 Meter		
MANAGEMENT				
Smart RS-232		Supports Windows2 2000/2003/XP/Vista/2008, Windows2 7, Linux, Unix, and MAC		
Optional SNMP		Power management from SNMP manager and web browser		

* If the UPS is installed or used in a place where the altitude is above than 1000m, the output power must be derated one percent per 100m. Product specifications are subject to change without further notice

HP33 Tower UPS series - from 10kVA to 200kVA

Complete solution for your business critical applications



Application:

- IT and networking environments
- Data centers
- Wiring closets
- Enterprise server applications
- Industrial applications
- Medical industry
- Shopping centers
- Schools and universities
- Museums
- Industrialequipment
- Government
- Energy
- Meteorology



Feature:

- Advanced DSP digital control technique adopts advanced DSP digital control technique, Optional dual mains input.
- N+X parallel redundancy (support parallel machine sharing battery) Support up to 8 parallel shared battery packs.
- Abundant monitoring and communication interface Standard RS232/485/dry contact and EPO function, maintenance bypass, battery temperature probe interface.
- Intelligent charging management 28/30/32 battery adjustable, default 32pcs.
- Efficient and energy saving The machine efficiency is 93%, up to 98% under ECO mode, which reduces the UPS power loss.
- Reliability, Flexibility, Economy 10-40K optional with built-in isolation transformer, 60/80/100K optional external isolation transformer.
- Quality is our culture, 90% accessories of cpsy ups with famous brand.
- Excellent industrial environmental protection performance Dust gauze Level between IP20-IP51, can operate safely under the harsh environment.
- Overload capacity 110% < load ≤ 125% , 10 mins 125% < load ≤ 150% , 1 mins.

Technical data

Model	HP3310H	HP3315H	HP3320H	HP3330H	HP3340H	HP3360H	HP3380H	
CAPACITY	10KVA/9KW	15KVA/13.5KW	20KVA/18KW	30KVA/27KW	40KVA/36KW	60KVA/54KW	80KVA/72KW	
INPUT								
Voltage	210-475VAC							
Frequency	40-70Hz,50/60Hz(AutoSensing)							
Phase	3 phase in and 3 phase out							
THDI	<3%							
Power Factor	>0.99							
Double mains input	Support							
Battery								
Battery Type	Valve regulated lead acid(VRLA)battery							
DC voltage	±192VDC(default), ±168- ±180(adjustable)							
Output								
Voltage	380V/400V/415VAC (±1%) VAC							
Frequency	50/60Hz							
Phase	3 phase in and 3 phase out							
Power Factor	0.9							
Overload	125%10min,150% 1min							
Machine efficiency	95%							
ECO Mode	98%							
Others								
Speed adjustable fan	Support							
LCD indicators	UPS status,Load level,Input/Output voltage, Discharge timer,and Fault conditions							
LED	UPS running condition							
Warning device	Indicator flash and Buzzer sound							
Communication Ports	RS232,AS400,RS485,Service,EPO, EXT.BATTERYTEMPPROBE,Intelligentslot							
Environment								
Temperature	0-40 C							
Humidity	10-95%							
PHYSICAL								
Dimension D x W x H (mm)	700*500*1020				800*600*1875			
Net Weight (kgs)	75		88		96		202 245	

Technical data

Model	HP33100H	HP33120H	HP33160H	HP33200H
Nominal Capacity	100KVA/90KW	120KVA/108KW	160KVA/144KW	200KVA/180KW
Input				
Voltage	210-475VAC			
Frequency	40-70Hz,50/60Hz(AutoSensing)			
Phase	3 phase in and 3 phase out			
THDI	< 3%			
Power Factor	>0.99			
Double mains input	Support			
Battery				
Battery Type	Valve regulated lead acid(VRLA)battery			
DC voltage	±240VDC(default), ±216、 ±264(adjustable)			
OUTPUT				
Voltage	380V/400V/415VAC (±1 %) VAC			
Frequency	50/60Hz			
Phase	3 phase in and 3 phase out			
Power Factor	0.9			
Overload Capability	125%10min (less than 105% long run), 150% 1min			
Machine efficiency	94%			
ECO Mode	98%			
Others				
Speed adjustable fan	Support			
LCD indicators	UPS status,Load level,Input/Output voltage, Discharge timer,and Fault conditions			
LED	UPS running condition			
Warning device	Indicator flash and Buzzer sound			
Communication Ports	RS232,AS400,RS485,Service,EPO, EXT.BATTERYTEMPPROBE,Intelligentslot			
Environment				
Temperature	0-40 ℃			
Humidity	10-95%			
Physical				
Net Weight(kgs)	311Kg		457Kg	
Gross Weight(kgs)	351Kg		525Kg	
Size (mm)	800*600*1875		830*600*1875	

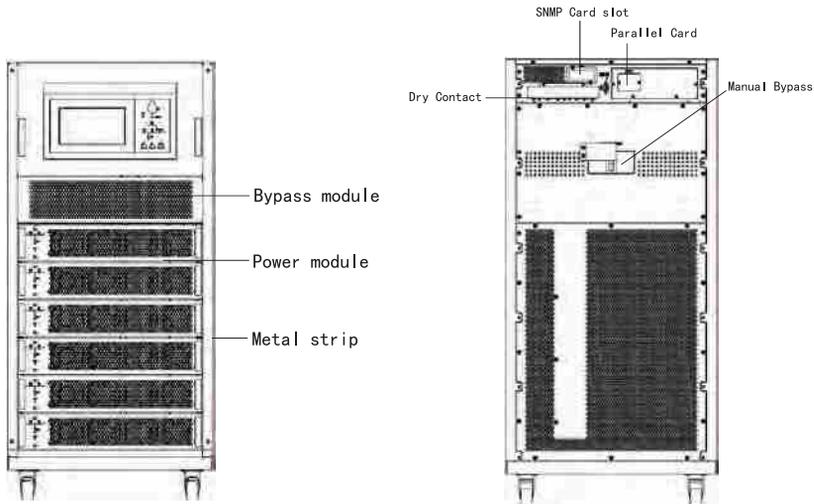
CPY10/20/30 Modular UPS series - from 10kVA to 300kVA

Solutions for your business critical applications



Application:

Data centers, industrial environments, etc. are key devices for power supply and protection.



Feature :

- Green energy conservation power, PF=1, machine efficiency up to 94.5%.
- The number of battery is adjustable 32/36/40,default 32pcs.
- N+1 parallel redundant design increases system flexibility, stability and safety.
- Modular design for power/STS /battery modules reduces maintenance costs.
- Remarkable generator match performance.
- Adjustable charging current,per module up to 8A.
- Adopt double DSP controller disposing, module independent control.

Technical data

Model	CPY1020	CPY1040	CPY1060	CPY1590
PHASE	3-phase in/3-phase out			
CABINET CAPACITY	20 KW	40 KW	60 KW	90 KW
BATTERY TYPE	External Battery			
ONE POWER MODULE CAPACITY	10KVA / 10KW			15KVA / 15KW
MAX. POWER MODULE NO	2	4	6	
INPUT				
Nominal Voltage	3 x 380VAC/400VAC/415VAC (3Ph+N)			
Voltage Range	305 ~ 478 VAC at 100% load; 208 ~ 304VAC at <70% load			
Nominal Frequency	50/60Hz (Auto Sensing)			
Frequency Range	40Hz ~70Hz			
Power Factor	> 0.99 @ 100% Load , >0.98 @ 50% Load			
Harmonic Distortion (THDi)	< 3% @ 100% load			
OUTPUT				
Nominal Voltage	3 x 380VAC/400VAC/415VAC (3Ph+N)			
Voltage Regulation (Steady state)	≅ ±1%Typical(balancedload); ≅ ±2%Typical(unbalancedload)			
Nominal Frequency	50/60Hz			
Frequency Range (Synchronized)	46Hz ~ 54Hz or 56Hz ~ 64Hz			
Overload Capability	1 hour for 110%, 10 mins for 125%,; 1 min for 150%, 200ms for >150%			
Harmonic Distortion	≅ 2%THD(LinearLoad); ≅ 4%THD(Non-linearLoad)			
Efficiency	Up to 94.5%			
BATTERY / CHARGER				
Nominal Voltage	+/- 216V (12V x 36 pcs)			
Maximum Voltage	UPS status and instructions in both English and Chinese			
Minimum Voltage	+/- 192V (12V x 32 pcs)			
Float Charging Voltage	2.25V / Cell			
Boost Charging Voltage	2.35V / Cell			
Temperature Compensation	Yes			
Maximum Charging Current	4A (Per Power Module)			
PHYSICAL				
Cabinet Dimension (D x W xH) mm	697*485*398	697*485*575	751*485*1033	
Net Weight (Kg)	73	113	175	
ENVIRONMENT				
Operating Temperature	0 ~ 40°C			
Relative Humidity	0 ~ 95% non-condensing			
Altitude	<1000m for Nominal power			
IP Class	IP 20			
MANAGEMENT				
Smart RS-232/USB	Supports Windows 2000/2003/XP/Vista/2008, Windows 7/8, Linux, and MAC			
Optional SNMP	Power management from SNMP manager and web browser			
STANDARDS				
Safety	IEC/EN 60950-1; IEC/EN 62040-1			
EMC	IEC/EN 62040-2 Category C3			

Technical data

Model	CPY2080-30U	CPY20120-30U	CPY20200-42U	CPY3090-30U	CPY30120-30U	CPY30120-42U	CPY30210-42U	CPY30300-42U
PHASE	3-phase in/3-phase out							
CABINET CAPACITY	80 KW	120 KW	200 KW	90 KW	120 KW	120 KW	210 KW	300 KW
BATTERY TYPE	External Battery			External Battery				
ONE POWER MODULE CAPACITY	20KVA / 20KW			30KVA / 30KW				
MAX. POWER MODULE NO	4	6	10	3	4	4	7	10
MAX. BATTERY SET NO	-			-				
INPUT								
Nominal Voltage	3 x 380VAC/400VAC/415VAC (3Ph+N)							
Voltage Range	305 ~ 478 VAC at 100% load; 208 ~ 304VAC at <70% load							
Nominal Frequency	50/60Hz (Auto Sensing)							
Frequency Range	40Hz ~70Hz							
Power Factor	> 0.99 @ 100% Load , >0.98 @ 50% Load							
Harmonic Distortion (THDi)	< 3% @ 100% load							
OUTPUT								
Nominal Voltage	3 x 380VAC/400VAC/415VAC (3Ph+N)							
Voltage Regulation (Steady state)	≅±1%Typical(balancedload); ≅±2%Typical(unbalancedload)							
Nominal Frequency	50/60Hz							
Frequency Range (Synchronized)	46Hz ~ 54Hz or 56Hz ~ 64Hz							
Overload Capability	1 hour for 110%, 10 mins for 125%,; 1 min for 150%, 200ms for >150%							
Harmonic Distortion	≅2%THD(LinearLoad); ≅4%THD(Non-linearLoad)							
Efficiency	Up to 94.5%							
BATTERY / CHARGER								
Nominal Voltage	+/- 216V (12V x 36 pcs)							
Maximum Voltage	UPS status and instructions in both English and Chinese							
Minimum Voltage	+/- 192V (12V x 32 pcs)							
Float Charging Voltage	2.25V / Cell							
Boost Charging Voltage	2.35V / Cell							
Temperature Compensation	Yes							
Maximum Charging Current	6A (Per Power Module)			8A (Per Power Module)				
PHYSICAL								
Cabinet Dimension (D x W xH) mm	1210*600*1520		1200*600*2050	1210*600*1520		1200*600*2050		1060*600*2010
Net Weight (Kg)	334	399.5	575	164	210.5	238	285	445
ENVIRONMENT								
Operating Temperature	0 ~ 40°C							
Relative Humidity	0 ~ 95% non-condensing							
Altitude	<1000m for Nominal power							
IP Class	IP 20							
MANAGEMENT								
Smart RS-232/USB	Supports Windows 2000/2003/XP/Vista/2008, Windows 7/8, Linux, and MAC							
Optional SNMP	Power management from SNMP manager and web browser							
STANDARDS								
Safety	IEC/EN 60950-1; IEC/EN 62040-1							
EMC	IEC/EN 62040-2 Category C3							

CPY50 Modular UPS series - from 50kVA to 600kVA

Solutions for your business critical applications



Application: Data center, financial center, government and enterprise computer room, medical education and other key loads provide safe, stable, reliable and environmentally friendly power guarantee



Feature :

- Green energy conservation power, PF=1, machine efficiency up to 96%.
- The number of battery is adjustable 30/32/34/36/40/42/44/46/48/50,default 36pcs.
- N+X parallel redundant design,can be paralleled to 2400KW(4units)
- Modular System flexibility, stability and safety, availability reach 99.999%
- MTBF time reach to 250,000 hours.
- Modular design for power/STS /battery modules reduces maintenance costs.
- Adjustable charging current,per module up to 20A.
- Adopt double DSP controller disposing, module independent control.
- Remarkable generator match performance.

Technical data

Model	CPY50100	CPY50200	CPY50300	CPY50400	CPY50500	CPY50600
PHASE	3-phase in/3-phase out					
CABINET CAPACITY	100 KW	200 KW	300 KW	400 KW	500 KW	600 KW
BATTERY TYPE	External Battery					
ONE POWER MODULE CAPACITY	50KVA / 50KW					
MAX. POWER MODULE NO	2	4	6	8	10	12
MAX. BATTERY SET NO	-					
INPUT						
Nominal Voltage	3 x 380VAC/400VAC/415VAC (3Ph+N)					
Voltage Range	138 ~ 485 VAC					
Nominal Frequency	50/60Hz (Auto Sensing)					
Frequency Range	40Hz ~70Hz					
Power Factor	≥ 0.99					
Harmonic Distortion (THDI)	< 3% @ 100% load					
OUTPUT						
Nominal Voltage	3 x 380VAC/400VAC/415VAC (3Ph+N)					
Voltage Regulation (Steady state)	≅ ±1%Typical(balancedload); ≅ ±2%Typical(unbalancedload)					
Nominal Frequency	50/60Hz					
Frequency Range (Synchronized)	46Hz ~ 54Hz or 56Hz ~ 64Hz					
Overload Capability	1 hour for 110%, 10 mins for 125%,; 1 min for 150%, 200ms for >150%					
Harmonic Distortion	≅ 2%THD(LinearLoad); ≅ 4%THD(Non-linearLoad)					
Efficiency	96%					
FUNCTION						
Protection function	Short circuit,overload, over temperature,output/battery undervoltage,fan failure alarm,bypass reverse irrigation,lightning protection					
Warning function	Various alarm functions such as abnormal mains, overload, ups failure,battery undervoltage,etc.					
Communication function	CAN, RS485,Network interface,dry contact, parallel interface, LBS interface,smart slot, temperature sensor interface					
EPO function	Support					
BATTERY / CHARGER						
Nominal Voltage	+/- 216V (12V x 36 pcs)					
Maximum Voltage	+/- 300V (12V x 50 pcs)					
Minimum Voltage	+/- 192V (12V x 32 pcs)					
Float/ Boost Charging Voltage	2.25V / 2.35V per Cell					
Temperature Compensation	Yes					
Maximum Charging Current	20A (Per Power Module)					
PHYSICAL						
Cabinet Dimension (D x W xH) mm	1065*600*2010			850*600*2000 or 850*1200*2000		850*1200*2000
Net Weight (Kg)	220	240	303	280 or 600	645	400
ENVIRONMENT						
Operating Temperature	0 ~ 40°C					
Relative Humidity	0 ~ 95% non-condensing					
Altitude	<1500m for Nominal power					
IP Class	IP 20					
MANAGEMENT						
Smart RS-232/USB	Supports Windows 2000/2003/XP/Vista/2008, Windows 7/8, Linux, and MAC					
Optional SNMP	Power management from SNMP manager and web browser					
STANDARDS						
Safety	IEC/EN 60950-1; IEC/EN 62040-1;YT/D 2165-2010					
EMC	IEC/EN 62040-2 Category C3					

GP11 Tower UPS series - from 1kVA to 3kVA

Complete solution for industrial applications



Application: industrial equipment, integrated loads and industrial equipment, medical equipment and other precision equipment.

The GP11 series is a small UPS. The highly compact GP series can work effortlessly with your equipment monitoring system, providing an all-in-one industrial design alternative, a standard high protection level, and a nine-stage seismic design. A wide temperature range of 10 to 40 °C. It also has an independent duct design and a three-paint process. To ensure that the machine responds to harsh environments. With built-in anti-surge design, it can cope with lightning strikes, voltage surges and other impacts, while the GP11 series output comes standard with an isolation transformer to improve the instantaneous impact of current.

Feature:

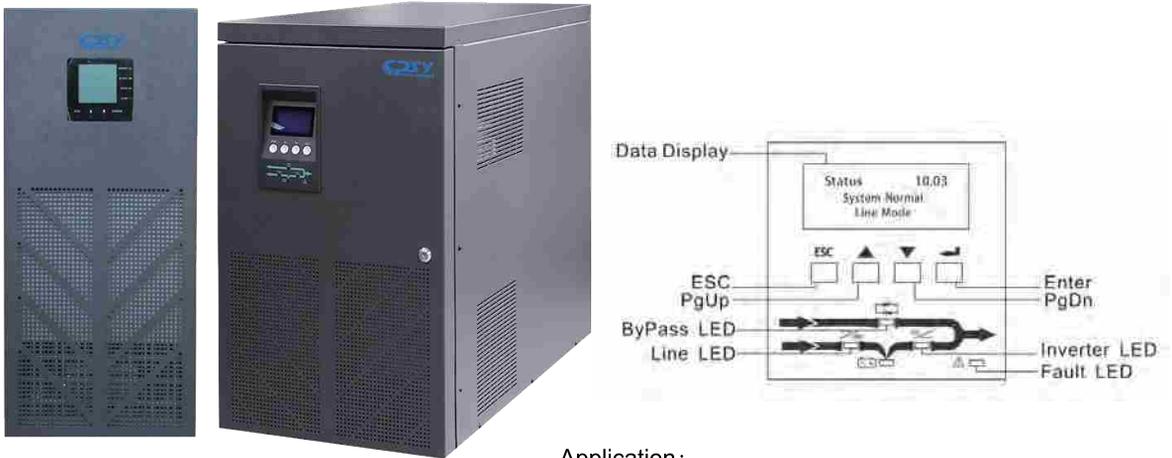
- The double-conversion online design makes the output of the UPS a pure sine wave power supply with frequency tracking, phase-locked voltage regulation, noise filtering, low distortion and no interference from the power grid, providing more comprehensive and perfect protection for user equipment.
- Output zero conversion time to meet the high standard requirements of precision equipment for power supply.
- Standard output isolation transformer to effectively respond to load transient impact.
- Efficient protection, PCBA is treated with three antipoints to effectively cope with harsh environments such as corrosive gases, moisture and static electricity.
- High-efficiency anti-surge design, built-in anti-surge circuit, effectively respond to lightning high voltage and voltage surge.
- Independent air duct design to improve heat dissipation.

Technical data

Model	GP1101K	GP1102K	GP1103K
PHASE	Single phase with ground		
CAPACITY	1KVA / 0.8 KW	2KVA / 1.6 KW	3KVA / 2.4 KW
INPUT			
Nominal Voltage	220 VAC/230 VAC/240VAC		
Acceptable Voltage Range	160 VAC ~280 VAC		
Frequency	40 Hz~55Hz @ 50 Hz system		
OUTPUT			
Nominal Voltage	220VAC± 1%		
Connection Type	Hardwire 3-wire (1 Ph+N+G)		
Waveform	Pure Sinewave		
Output Voltage Stability	Steady State	± 1%	
	Transient State	± 5%	
Frequency	50 Hz		
Frequency Stability	± 1%		
Frequency Synchronization Range	± 5Hz(Equal to bypass working range)		
Frequency Synchronization Speed	1~2 Hz/s		
Power Factor	0.8		
Crest Factor	3:1		
Total Harmonic Distortion (THDv)	<3% (Linear Load); <5% (Non-linear Load)		
Dynamic Recovery Time (III Grade)	0%~100% RCD load: < 60 ms recover to 90% of nominal voltage		
Transfer Time	0 ms		
Overload Capability	>120% for 1mins transfer to bypass or shutdown, >150% for 30 seconds transfer to bypass or shutdown		
Short-circuit Capability	60~100 ms		
Transient Response Time	< 5 ms		
SYSTEM			
Efficiency (@linear load and 270VDC)	85%		
ECO Mode (Non-parallel models)	Yes		
EPO Function	Yes		
Over Temperature Protection	Yes		
Standard	IEC 61000-4-5 Protection surge, IEC 62040-2 EMC/EMI, IEC62040-1 Safety		
CHARGER & BATTERY			
Charger	Charger Voltage	82.2V ± 1%	109.6V ± 1%
	Max. Charging Current	1A(Standard),7A	
Battery	Battery Numbers	4 pcs	6 pcs
	Battery Voltage	48 VDC	72 VDC
PHYSICAL Dimension			
DxWxH(mm)	510*220*395		
Net Weight (kgs)	22.5	23.5	29
ENVIRONMENT			
Humidity	0~90% (non-condensing)		
Noise Level	Less than 58dB @ 1 Meter		
MANAGEMENT			
Modbus RS-232/RS485	Supports Windows 2000/2003/XP/Vista/2008/7/8, Linux and MAC		
Optional SNMP	Power management from SNMP manager and web browser		

GP11 Tower UPS series - from 6kVA to 20kVA

Complete solution for industrial applications



Application :

industrial equipment, integrated loads and industrial equipment, medical equipment and other precision equipment.

The GP11 series is a small UPS. The highly compact GP series can work effortlessly with your equipment monitoring system, providing an all-in-one industrial design alternative, a standard high protection level, and a nine-stage seismic design. A wide temperature range of 10 to 40 °C. It also has an independent duct design and a three-paint process. To ensure that the machine responds to harsh environments. With built-in anti-surge design, it can cope with lightning strikes, voltage surges and other impacts, while the GP11 series output comes standard with an isolation transformer to improve the instantaneous impact of current.

Feature :

- The double-conversion online design makes the output of the UPS a pure sine wave power supply with frequency tracking, phase-locked voltage regulation, noise filtering, low distortion and no interference from the power grid, providing more comprehensive and perfect protection for user equipment.
- Output zero conversion time to meet the high standard requirements of precision equipment for power supply.
- Standard output isolation transformer to effectively respond to load transient impact.
- Efficient protection, PCBA is treated with three antipoints to effectively cope with harsh environments such as corrosive gases, moisture and static electricity.
- High-efficiency anti-surge design, built-in anti-surge circuit, effectively respond to lightning high voltage and voltage surge.
- Independent air duct design to improve heat dissipation.

Technical data

Model	GP1106K	GP1110K	GP1115K	GP1120K
PHASE	Single phase with ground			
CAPACITY	6KVA/5.4KW	10KVA/9KW	15 KVA / 12 KW	20 KVA / 16 KW
INPUT				
Nominal Voltage	220 VAC/230 VAC			
Acceptable Voltage Range	165 VAC ~275 VAC @ 16 pcs batteries			
Frequency	40 Hz~55Hz @ 50 Hz system			
OUTPUT				
Nominal Voltage	220VAC± 1%			
Connection Type	Hardwire 3-wire (1 Ph+N+G)			
Waveform	Pure Sinewave			
Output Voltage Stability	Steady State	± 1%		
	Transient State	± 5%		
Frequency	50 Hz			
Frequency Stability	± 1%			
Frequency Synchronization Range	± 5Hz(Equal to bypass working range)			
Frequency Synchronization Speed	1~2 Hz/s			
Power Factor	0.9		0.8	
Crest Factor	3:1			
Total Harmonic Distortion (THDv)	<3% (Linear Load); <5% (Non-linear Load)			
Dynamic Recovery Time (III Grade)	0%~100% RCD load: < 60 ms recover to 90% of nominal voltage			
Transfer Time	0 ms			
Overload Capability	100%~110% for permenel.; 110~130% for 10 mins; >130% for 30 sec			
Short-circuit Capability	60~100 ms			
Transient Response Time	< 5 ms			
SYSTEM				
Efficiency (@linear load and 270VDC)	85%		86%	
ECO Mode (Non-parallel models)	Yes			
EPO Function	Yes			
Over Temperature Protection	Yes			
Standard	IEC 61000-4-5 Protection surge, IEC 62040-2 EMC/EMI, IEC62040-1 Safety			
CHARGER & BATTERY				
Charger	Charger Voltage	216V ± 1%		
	Max. Charging Current	5A ± 1A		
Battery	Battery Numbers	16 pcs		
	Battery Voltage	192 VDC		
PHYSICAL Dimension				
DxWxH(mm)	640 x 280 x 686		722 x 392 x 850	
Net Weight (kgs)	72	89	166	192
ENVIRONMENT				
Humidity	0~90% (non-condensing)			
Noise Level	Less than 58dB @ 1 Meter			
MANAGEMENT				
Modbus RS-232/RS485	Supports Windows 2000/2003/XP/Vista/2008/7/8, Linux and MAC			
Optional SNMP	Power management from SNMP manager and web browser			

GP31 Tower UPS series - from 10kVA to 40kVA

Complete solution for industrial applications



Shangyu GP31 series UPS system is a power supply device that is connected between the input power and the load to provide power supply for the important load without grid interference, voltage regulation and frequency stabilization. After the mains power is turned off, the UPS can charge the point pool energy. The inverter supplies the load and continues to supply power for a period of time.

Application:

Industrial environments, medical facilities, laboratory equipment, etc.

Feature:

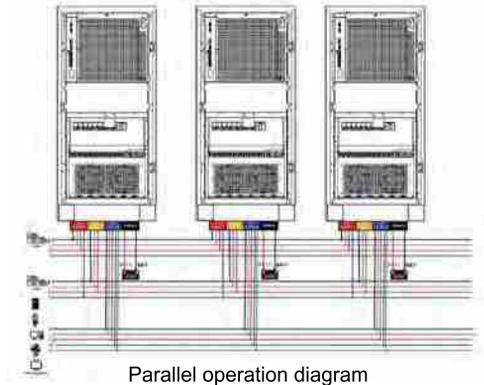
- The double-conversion online design makes the output of the UPS a pure sine wave power supply with frequency tracking, phase-locked voltage regulation, noise filtering, low distortion and no interference from the power grid, providing more comprehensive and perfect protection for user equipment.
- Output zero conversion time to meet the high standard requirements of precision equipment for power supply.
- Standard output isolation transformer to effectively respond to load transient impact.
- Efficient protection, PCBA is treated with three antipaints to effectively cope with harsh environments such as corrosive gases, moisture and static electricity.
- High-efficiency anti-surge design, built-in anti-surge circuit, effectively respond to lightning high voltage and voltage surge.
- Independent air duct design to improve heat dissipation.
- Maximum charging current of the UPS is not less than 20A.
- Optional parallel machine models, up to 4 units.
- External battery nominal battery section: 30, 31 or 32 sections.

Technical data

Model	GP3110K	GP3115K	GP3120K	GP3130K	GP3140K
CAPACITY	10 KVA / 8 KW	15 KVA / 12 KW	20KVA / 16 KW	30 KVA / 24KW	40 KVA / 32 KW
INPUT					
Nominal Voltage	3 x 380VAC (3Ph + G or 3Ph + N + G)				
Acceptable Voltage Range	285 VAC ~ 475 VAC				
Frequency	50 Hz \pm 5Hz (\pm 10%)				
OUTPUT					
Nominal Voltage	220VAC/230VAC/240VAC (Selectable)				
Connection Type	Hardwire 3-wire (1 Ph+N+G)				
Waveform	Pure Sinewave				
Output Voltage Stability	Steady State	\pm 1%			
	Transient State	\pm 5%			
Frequency	50 Hz				
Frequency Stability	\pm 1%				
Frequency Synchronization Range	\pm 5Hz(Equal to bypass working range)				
Frequency Synchr	1~2 Hz/s				
Power Factor	0.8				
Crest Factor	3:1				
Total Harmonic Distortion (THDv)	< 2%(Linear load); < 4%(Non-linear load)				
Dynamic Recovery Time (III Grade)	0%~100% RCD load: <60 ms recover to 90% of nominal voltage				
Transfer Time	0 ms				
Overload Capability	0%~110% continuous running; 110%~ 150% for 10 min~1 min; >160% for 200 ms				
Short-circuit Capability	60~100 ms				
Transient Response Time	< 5 ms				
SYSTEM					
Efficiency (@linear load and 270VDC)	85%	86%	87%	88%	88%
ECO Mode (Non-parallel models)	Yes				
EPO Function	Yes				
Over Temperature Protection	Yes				
Standard	IEC 61000-4-5 Protection surge, IEC 62040-2 EMC/EMI, IEC62040-1 Safety				
BATTERY					
Battery	Type	Support VRLA Battery			
	Numbers	16 pcs	32 pcs		
	Reverse Diode	Yes			
	Cold Start	Yes			
PHYSICAL Dimension					
IP Protection	IP20 (Default), IP21/IP31 (Optional)				
DxWxH(mm)	580*280*795	600*330*900		704 x 414 x 1016	740 x 560 x 1200
Net Weight (kgs)	88	101	103	157	340
ENVIRONMENT					
Humidity	0~90% (non-condensing)				
Noise Level	Less than 70dB @ 1 Meter				
Operating Temperature	0~35°C continuous running, 40°C 8-hour running at nominal input voltage, recharging batteries and no overload, 45°C derating to 85% with linear load				
MANAGEMENT					
Modbus RS-232/RS485	Supports Windows 2000/2003/XP/Vista/2008/7/8, Linux and MAC				
Optional SNMP	Power management from SNMP manager and web browser				
Dry Contacts	6 outputs and 2 inputs				

GP33 Tower UPS series - from 10kVA to 600kVA

Complete solution for industrial applications



Shangyu GP33 series UPS is a three-input three-output (three-phase input, three-phase output) all-digital online intelligent AC uninterruptible power supply. The GP33 series uses advanced DSP and all-digital control technology, which has higher system stability and output standard. Equipped with an isolation transformer, the output voltage has no DC component, which can alleviate the impact of unbalanced load on the output, and effectively suppress the third harmonic of the output voltage caused by non-linear computer negative loading. The whole machine adopts intelligent battery management to automatically maintain the battery and extend Service life.

Application:

large and medium-sized data room, bank, securities computing center, communication network management center, automated production line, industrial environment, laboratory and other occasions.

Feature:

- The double-conversion online design makes the output of the UPS a pure sine wave power supply with frequency tracking, phase-locked voltage regulation, noise filtering, low distortion and no interference from the power grid, providing more comprehensive and perfect protection for user equipment.
- Output zero conversion time to meet the high standard requirements of precision equipment for power supply.
- Standard output isolation transformer to effectively respond to load transient impact.
- Efficient protection, PCBA is treated with three antipaints to effectively cope with harsh environments such as corrosive gases, moisture and static electricity.
- High-efficiency anti-surge design, built-in anti-surge circuit, effectively respond to lightning high voltage and voltage surge.
- Independent air duct design to improve heat dissipation.
- Maximum charging current of the UPS is not less than 40A.
- Standard parallel machine components, up to 4 units.
- External battery nominal battery section: 30~43 sections.

Technical data

Model	GP3310K	GP3315K	GP3320K	GP3330K	GP3340K
CAPACITY	10 KVA / 9 KW	15 KVA / 13.5 KW	20 KVA / 18 KW	30 KVA / 27 KW	40 KVA / 36 KW
INPUT					
Nominal Voltage	3 x 380VAC/400VAC (3Ph + N)				
Acceptable Voltage Range	285VAC ~ 475VAC				
Frequency	50/60 Hz ± 10 %				
INVERTER					
Nominal Voltage	3 x 380VAC/400VAC (3Ph + N)				
Precision	Stationary: ±1% ; Transitory: ±5% (load variations 100-0-100%)				
Frequency	50/60 Hz synchronised ±1 % With mains absent ±0.1 Hz				
Max. Synchronisation Speed	±1 Hz/s				
Waveform	Pure Sinewave				
Total Harmonic Distortion (THDv)	< 2% (Linear Load) ; < 5% (Non-linear Load)				
Phase Displacement	120° ±1% (balanced load) ; 120° ±2% (imbalances 50% of the load)				
Dynamic Recovery Time	3 cycles at 90 % of the static value				
Admissible Overload	≤110% for 60min; ≤125% for 10mins ; ≤150% for 1min				
Admissible Crest Factor	3:1				
Admissible Power Factor	0.9				
Imbalance Output Voltage @ 100% Unbalanced Load	<1%				
Current Limit	High overload, short-circuit: RMS Voltage Limit ; High Crest-Factor current: Peak Voltage Limit				
STATIC BYPASS					
Type	Solid state				
Voltage	3 x 380VAC/400VAC (3Ph + N)				
Frequency	50/60 Hz				
Activation Criterion	Microprocessor control				
Transfer Time	Zero				
Transfer to Bypass	Immediate, for overloads above 160%				
Retransfer	Automatic after alarm clear				
MAINTENANCE BYPASS					
Type	Without interruption				
Voltage	3 x 400V (3Ph + N)				
Frequency	50/60 Hz				
Overall Efficiency (Line mode)	Line Mode	89%	90%	91%	
	Battery Mode	90%	91%	92%	
BATTERY & CHARGER					
Battery Type and Numbers	12VDC x 32 pcs (30-34 pcs adjustable)				
Nominal Battery Voltage	384 VDC (Based on 32 pcs batteries)				
Charging Method	CC/CV				
Charging Current	Default 10A, Max. = Capacity(KW) / Battery Voltage (real-time)			0.2C max 0.25C (C: battery capacity)	
Charging Voltage	432 VDC (Based on 32pcs batteries)				
PHYSICAL					
Dimension D x W x H (mm)	887*465*858			795*565*1195	
Net Weight (kgs)	170.5	193	202.5	300	328

Technical data

Model	GP3360K	GP3380K	GP33100K	GP33120K	GP33160K	GP33200K
CAPACITY	60 KVA / 54 KW	80KVA/72KW	100 KVA / 80 KW	120 KVA / 96 KW	160 KVA / 128 KW	200 KVA / 160 KW
INPUT						
Nominal Voltage	3 x 380VAC/400VAC (3Ph + N)					
Acceptable Voltage Range	285VAC ~ 475VAC					
Frequency	50/60 Hz ± 10 %					
INVERTER						
Nominal Voltage	3 x 380VAC/400VAC (3Ph + N)					
Precision	Stationary: ±1% ; Transitory: ±5% (load variations 100-0-100%)					
Frequency	50/60 Hz synchronised ±1 % With mains absent ±0.1 Hz					
Max. Synchronisation Speed	±1 Hz/s					
Waveform	Pure Sinewave					
Total Harmonic Distortion (THDv)	< 2% (Linear Load) ; < 5% (Non-linear Load)					
Phase Displacement	120° ±1% (balanced load) ; 120° ±2% (imbalances 50% of the load)					
Dynamic Recovery Time	3 cycles at 90 % of the static value					
Admissible Overload	110%~150% 10min~1min; 150%~160% 1min~200ms; 200ms for160%					
Admissible Crest Factor	3:1					
Admissible Power Factor	0.8					
Imbalance Output Voltage @ 100% Unbalanced Loadt	<1%					
Current Limit	High overload, short-circuit: RMS Voltage Limit ; High Crest-Factor current: Peak Voltage Limit					
STATIC BYPASS						
Type	Solid state					
Voltage	3 x 380VAC/400VAC (3Ph + N)					
Frequency	50/60 Hz					
Activation Criterion	Microprocessor control					
Transfer Time	Zero					
Transfer to Bypass	Immediate, for overloads above 160%					
Retransfer	Automatic after alarm clear					
MAINTENANCE BYPASS						
Type	Without interruption					
Voltage	3 x 400V (3Ph + N)					
Frequency	50/60 Hz					
Overall Efficiency (Line mode)	Line Mode	92%	92%	93%		
	Battery Mode	92%	93%	94%		
BATTERY & CHARGER						
Battery Type and Numbers	12VDC x 32 pcs (30-34 pcs adjustable)					
Nominal Battery Voltage	384 VDC (Based on 32 pcs batteries)					
Charging Method	CC/CV					
Charging Current	Default 10A, Max. = Capacity(KW) / Battery Voltage (real-time)					
Charging Voltage	432 VDC (Based on 32pcs batteries)					
PHYSICAL						
Dimension D x W x H (mm)	795*565*1195		775 x 1160 x 1600		915 x 1400 x 1900	
Net Weight (kgs)	393	453	833	851	1219	1425

Technical data

Model	GP33250K	GP33300K	GP33400K	GP33500K	GP33600K
CAPACITY	250KVA/200KW	300KVA/240KW	400KVA/320KW	500KVA/400KW	600KVA/480KW
INPUT					
Nominal Voltage	3 x 380VAC/400VAC (3Ph + N)				
Acceptable Voltage Range	285VAC ~ 475VAC				
Frequency	50/60 Hz \pm 10 %				
INVERTER					
Nominal Voltage	3 x 380VAC/400VAC (3Ph + N)				
Precision	Stationary: \pm 1% ; Transitory: \pm 5% (load variations 100-0-100%)				
Frequency	50/60 Hz synchronised \pm 1 % With mains absent \pm 0.1 Hz				
Max. Synchronisation Speed	\pm 1 Hz/s				
Waveform	Pure Sinewave				
Total Harmonic Distortion (THDv)	< 2% (Linear Load) ; < 5% (Non-linear Load)				
Phase Displacement	120° \pm 1% (balanced load) ; 120° \pm 2% (imbalances 50% of the load)				
Dynamic Recovery Time	3 cycles at 90 % of the static value				
Admissible Overload	\leq 110% for 60min; \leq 125% for 10mins ; \leq 150% for 1min				
Admissible Crest Factor	3:1				
Admissible Power Factor	0.8				
Imbalance Output Voltage @ 100% Unbalanced Load	<1%				
Current Limit	High overload, short-circuit: RMS Voltage Limit ; High Crest-Factor current: Peak Voltage Limit				
STATIC BYPASS					
Type	Solid state				
Voltage	3 x 380VAC/400VAC (3Ph + N)				
Frequency	50/60 Hz				
Activation Criterion	Microprocessor control				
Transfer Time	Zero				
Transfer to Bypass	Immediate, for overloads above 160%				
Retransfer	Automatic after alarm clear				
MAINTENANCE BYPASS					
Type	Without interruption				
Voltage	3 x 400V (3Ph + N)				
Frequency	50/60 Hz				
Overall Efficiency	94%				
BATTERY & CHARGER					
Battery Type and Numbers	12VDC x 32 pcs (30-34 pcs adjustable)			12VDC x 40 pcs (40-43 pcs adjustable)	
Nominal Battery Voltage	384 VDC (Based on 32 pcs batteries)			480 VDC (Based on 40 pcs batteries)	
Charging Method	CC/CV				
Charging Current	Max 40A				
Charging Voltage	432 VDC (Based on 32 pcs batteries)			532 VDC (Based on 40 pcs batteries)	
PHYSICAL					
Dimension D x W x H (mm)	915 x 1400 x 1900	1010 x 1760 x 1897		1200*2600*2000	1200*3200*2000
Net Weight (kgs)	1425	1630	1810	2850	3150

GPI31 Tower UPS series -from 10kVA to 120kVA

Complete solution for industrial applications



The GPI Series (3:3) and (3:1) is a standardized, all-industry UPS for harsh environments. The highly compact GPI works effortlessly with your facility monitoring system to provide an all-in-one design alternative. Standard high protection rating(IP31), nine-stage seismic design and a wide temperature range from -10 to +45°C. It also features top and bottom cable entries as well as fully integrated isolation transformer option. With full frontal maintenance and wall-to-wall mounting, the GPI is one of the easiest to deploy, install and maintain in its class.

The GPI series is a power frequency series UPS independently developed by Shangyu Company for industrial environments and important occasions. It is mainly used in energy, metallurgy, manufacturing, and harsh environments.

Application:

large and medium-sized data room, bank, securities computing center, communication network management center, automated production line, industrial environment, laboratory and other occasions.

Feature:

- The double-conversion online design, advanced DSP (Digital Signal Processor) technology
- Can access two independent mains to adapt to dual power supply system
- Three -input single -out UPS can be connected to a battery pack or 220V DC screen
- Output zero conversion time to meet the high standard requirements of precision equipment for power supply.
- Standard output isolation transformer to effectively respond to load transient impact. Option bypass/input transformer
- Efficient protection, PCBA is treated with three antipaints to effectively cope with harsh environments such as corrosive gases, moisture and static electricity.
- High-efficiency anti-surge design, built-in anti-surge circuit, effectively respond to lightning high voltage and voltage surge.
- Independent air duct design to improve heat dissipation.
- Maximum charging current of the UPS is not less than 40A.
- Advanced N+1 parallel function, up to 4 units.
- External battery nominal battery section: 30~43 sections.
- Option bypass/input isolation transformer.

Technical data

Model	GPI310K-6P	GPI3115K-6P	GPI3120K-6P	GPI3130K-6P	GPI3140K-6P	GPI3160K-6P	GPI3180K-12P	GPI31100K-12P	GPI31120K-12P
CAPACITY	10KVA/8KW	15KVA/12KW	20KVA/16KW	30KVA/24KW	40KVA/32KW	60KVA/48KW	80KVA/64KW	100KVA/80KW	120KVA/96KW
INPUT									
Nominal Voltage	3 x 380VAC/400VAC/415VAC (3Ph + N)								
Acceptable Voltage Range	304VAC ~ 456VAC								
Frequency	50/60 Hz ± 10 %								
INVERTER									
Nominal Voltage	220VAC/230VAC/240VAC (Optional)								
Precision	Stationary: ±1% ; Transitory: ±5% (load variations 100-0-100%)								
Frequency	50/60 Hz synchronised ±1 % With mains absent ±0.1 Hz								
Max. Synchronisation Speed	±1 Hz/s								
Waveform	Pure Sinewave								
Total Harmonic Distortion(THDv)	< 2% (Linear Load) ; < 5% (Non-linear Load)								
Phase Displacement	120° ±1% (balanced load) ; 120° ±2% (imbalances 50% of the load)								
Dynamic Recovery Time	3 cycles at 90 % of the static value								
Admissible Overload	≤110% for 60min; ≤125% for 10mins ; ≤150% for 1min								
Admissible Crest Factor	3:1								
Admissible Power Factor	0.8								
Imbalance Output Voltage @ 100% Unbalanced Loadt	<1%								
Current Limit	High overload, short-circuit: RMS Voltage Limit ; High Crest-Factor current: Peak Voltage Limit								
STATIC BYPASS									
Type	Solid state								
Voltage	3 x 380VAC/400VAC (3Ph + N)								
Frequency	50/60 Hz								
Activation Criterion	Microprocessor control								
Transfer Time	Zero								
Rectifier									
Type	6plus						12plus		
MAINTENANCE BYPASS									
Type	Without interruption								
Voltage	3 x 400V (3Ph + N)								
Frequency	50/60 Hz								
Overall Efficiency	90%	91%					92%		
BATTERY & CHARGER									
Battery Numbers	18PCS (Accessible to DC screen system)								
Nominal Battery Voltage	216 VDC (Based on 18 pcs batteries)								
Charging Method	CC/CV								
Charging Current	20A	Default 10A, Max 40A							
Battery Type	Sealed lead acid battery								
PHYSICAL									
Dimension D x W x H (mm)	800 x 800 x 1800					800 x 1200 x 1800		800 x 1600 x 1800	
Net Weight (kgs)	354	400	480	650	680	910	1010	1360	1620

GPI 33(10-200K) Technical data

Model	10K-6P	15K-6P	20K-6P	30K-6P	40K-6P	60K-6P	80K-6P	100K-12	120K-12P	160K-12	200K-12P	
Capacity	10KVA/ 8KW	15KVA/ 12KW	20KVA/ 16KW	30KVA/ 24KW	40KVA/ 32KW	60KVA/ 48KW	80KVA/ 64KW	100KVA/ 80KW	120KVA/ 96KW	160KVA/ 128KW	200KVA/ 160KW	
INPUT												
Rated Voltage	3 x 380VAC/400VAC (3Ph + N)											
Voltage range	285VAC ~ 475VAC											
Frequency range	50/60 Hz ± 10 %											
OUTPUT												
Output Voltage	3 x 380VAC/400VAC (3Ph + N)											
Voltage stability	Steady state:: ±1% typical / Transient: ±5% typical (load change 100-0-100%)											
	Transient: ±5% typical (load change 100-0-100%)											
Frequency synchronization range	50/60 Hz Synchronize ±1 % Lost city power ±0.1 Hz											
Frequency tracking rate	±1 Hz/s											
Output Wave	Pure Sine Wave											
Total harmonic(THDv)	<2% (Linear load) <5% (Nonlinear load)											
Phase imbalance	120° ±1% (balanced load) / 120° ±2% (50%Unbalanced load)											
Dynamic adjustment time	3 cycles restored to nominal 90%											
Overload capacity	110% ~ 150% 10min~1min; 150% ~ >160% 1min~200ms; 200ms for >160%											
Peak Factor	3:1											
Current limit	Extremely heavy overload, short circuit: voltage rms limit; inrush current: peak voltage limit											
Efficiency	90%	91%	92%	93%								
BYPASS												
Type	Static switch											
Voltage	3 x 380VAC/400VAC (3Ph + N)											
SYSTEM												
ECO mode	Support ECO/ECO mode machine efficiency 98%											
Overtemperature protection	Inverter / Charger / Rectifier (90°C)											
Maintenance Bypass	Standard manual maintenance bypass											
BATTERY & CHARGING												
bATTERY No.	29/30/31/32 (Adjustable)											
Charge Current	Default 10A,max=capacity/battery volt					Default 10A, Max 40A						
Battery Type	Sealed lead acid, nickel chrome											
COMMUNICATION PORT												
Standard communication interface	EPO、parallel interface、Dry contact interface、USB、RS232、RS485、Intelligent card slot*											
STRUCTURE												
Dimension (mm)	800x800x1800							1200x800x1800		1600x800x1800		
Net Weight (KG)	290	312	349	385	427	508	563	760	850	1120	1390	

*The intelligent slot can be equipped with an optional SNMP smart monitoring card. For details, please consult your local dealer or sales partner.
Current product specifications are subject to change without notice

HPR Rack UPS series - from 1kVA to 40kVA

Complete solutions for IT infrastructures



Application:

- Professional and IT equipment, small computer room.
- Servers and networking devices.
- CAD/Graphic workstations.
- Control system.
- Medical, electricity, defense, petrochemical, bank, transport, etc.

- ① AC input
- ② Input breaker
- ③ Output
- ④ Extended battery connector
- ⑤ Intelligent card slot
- ⑥ Fan
- ⑦ USB port
- ⑧ RS232 port



Feature:

- 6KVA/10KVA supports N+1 reliable parallel redundancy technology.
- Rack mount type ups height: 1-3KVA 2U, 6-10KVA 3U, 15/20kva 6U.
- DSP technology guarantees high performance.
- Optional output power factor 0.8/0.9/1.
- Optional Emergency power off function (EPO).
- Built-in over voltage cut-off protection and surge immunity for full-time protection.
- Low input THDi to reduce power system pollution.

Technical data

Model	HPR1101B	HPR1101H	HPR1102H	HPR1103H	HPR1106H	HPR1110H
Phase	Single phase and earth ground					
Power rating	1KVA/0.9KW	1KVA/0.9KW	2KVA/1.8KW	3KVA/2.7KW	6KVA/5.4KW	10KVA/9KW
INPUT						
Voltage range	110-300VAC @ 50% load or 160-280VAC @ 100% load					
Frequency Range	Frequency Range 50Hz/60Hz (auto sensing)					
Power Factor	≥0.99 @ 100% load					
OUTPUT						
Normal voltage	200/208/220/230/240VAC				208/220/230/240VAC	
Voltage	±1%					
Frequency range (Synchronized Range)	46Hz-54Hz or 56Hz-64Hz					
Frequency range (Batt.Mode)	50Hz±0.1Hz or 60Hz±0.1Hz					
Waveform	≤3%THD(linear load), ≤5%THD(non-linear load)					
Power factor	0.9					
Crest Factor	3:01					
Transfer time	0ms					
Waveform	Pure Sine wave					
EFFICIENCY						
Normal Mode	88%	88%	89%	90%	92%	93%
BATTERY						
Battery Type	Sealed lead acid maintenance free battery					
Quantity(pieces)	2	3	6	8	16-20(adjust)	
Charging Current(MAX)	1.0A	6.0A				
DISPLAY						
LCD	Load, battery capacity, normal mode, battery mode, bypass, i lfu re					
WARNING						
Battery mode	Sounding every 4 seconds					
Low battery	Sounding every 1 seconds					
Overload	Sounding every second					
Fault	Contentiously Sounding					
WORK ENVIRONMENT						
Humidity	20~90% (Non-Condensing), 0~40 C centigrade					
Noise level	less than 50dB@1m				less than 55dB@1m	less than 58dB@1m
MAINTENANCE						
Modbus RS-232/USB	Support Windows 2000/2003/XP/Vista/2008, Windows7/8, Linux, Unix and MAC					
SNMP(Optional)	SNMP and internet management					
PHYSICAL						
Dimension D x W x H (mm)	420×438×86[2U]				610×438×130[3U]	
Net Weight (kgs)	11	7.2	8.9	9	14	18

Technical data

Model	HPR3110H	HPR3115H	HPR3120H
Phase	3-phase in / 1-phase out		
Power rating	10KVA/9KW	15KVA/13.5KW	20KVA/18KW
INPUT			
Nominal Voltage	3 x 380 VAC (3Ph+N)		
Voltage Range	304-456 VAC (3-phase) at 100% load		
Frequency Range	46~54Hz or 56~64Hz		
Power Factor	≧0.99@100%Load		
THDi	< 6% @ 100% load		
OUTPUT			
Output Voltage	220/230/240VAC		
AC Voltage Regulation (Batt. Mode)	± 1%		
Frequency Range (Synchronized Range)	46~54Hz or 56~64Hz		
Frequency Range (Batt. Mode)	50 Hz ± 0.1 Hz or 60 Hz ± 0.1 Hz		
Current Crest Ratio	3:01		
Harmonic Distortion	≧ 2%THD(LinearLoad)		
Transfer Time	0ms		
Overload Capacity	105%-125% : 10min, 125%-150% : 30s, >150% : 500ms		
Waveform (Batt. Mode)	Pure Sinewave		
EFFICIENCY			
AC Mode	93.5%		
ECO Mode	96%		
Battery Mode	89%		
BATTERY			
Long-run Model	Battery Type	Depending on the capacity of external batteries	
	Numbers	16pcs(16-20pcs can adjustable)	
	Charging Current (Max.)	4A	
	Charging Voltage	218.4 VDC ± 1% (Based on battery number at 16 pcs)	
INDICATORS			
LCD Display	UPS status, Load level, Battery level, Input/Output voltage, Discharge timer, and Fault conditions		
ALARM			
Battery Mode	Sounding every 4 seconds		
Low Battery	Sounding every second		
Overload	Sounding twice every second		
Fault	Continuously sounding		
PHYSICAL			
Dimension D x W x H (mm)	680 x 438 x 133 (3U)		
Net Weight (kgs)	28	28	28
ENVIRONMENT			
Humidity	0-95 % RH @ 0- 40°C (Non-condensing)		
Noise Level	Less than 55dB @ 1 Meter		
MANAGEMENT			
Smart RS-232/USB	Supports Windows 2000/2003/XP/Vista/2008, Windows 7/8, Linux, and MAC		
Optional SNMP	Power management from SNMP manager and web browser		

Technical data

Model	HPR3310H	HPR3315H	HPR3320H	HPR3330H	HPR3340H
Phase	3-phase in / 3-phase out				
Power rating	10KVA/10KW	15KVA/15KW	20KVA/20KW	30KVA/30KW	40KVA/40KW
INPUT					
Nominal Voltage	3 x 380 VAC (3Ph+N)				
Voltage Range	190-520 VAC (3-phase) at 50% load ; 305-478 VAC (3-phase) at 100% load				
Frequency Range	46~54Hz or 56~64Hz				
Power Factor	≧ 0.99@100%Load				
THDi	< 6% @ 100% load				
OUTPUT					
Output Voltage	208/220/230/240VAC				
AC Voltage Regulation (Batt. Mode)	± 1%				
Frequency Range (Synchronized Range)	46~54Hz or 56~64Hz				
Frequency Range (Batt. Mode)	50 Hz ± 0.1 Hz or 60 Hz ± 0.1 Hz				
Current Crest Ratio	3:01				
Harmonic Distortion	≧ 2%THD(LinearLoad)				
Transfer Time	0ms				
Overload Capacity	100%~110%: 60min; 111%~125%: 10min; 126%~150%: 1min; >150%: immediate protection				
Waveform (Batt. Mode)	Pure Sinewave				
EFFICIENCY					
AC Mode	96%				
ECO Mode	98.5%				
Battery Mode	92%				
BATTERY					
Long-run Model	Battery Type	Depending on the capacity of external batteries			
	Numbers	32pcs(32-40pcs can adjustable), with battery neutral			
	Charging Current (Max.)	1-12A(adjustable)			1-16A(adjustable)
	Charging Voltage	436.8 VDC ± 1% (Based on battery number at 32 pcs)			
INDICATORS					
LCD Display	UPS status, Load level, Battery level, Input/Output voltage, Discharge timer, and Fault conditions				
ALARM					
Battery Mode	Sounding every 4 seconds				
Low Battery	Sounding every second				
Overload	Sounding twice every second				
Fault	Continuously sounding				
PHYSICAL					
Dimension D x W x H (mm)	680 x 438 x 133 (3U)			797 x 438 x 176 (4U)	
Net Weight (kgs)	28			42	
ENVIRONMENT					
Humidity	0-95 % RH @ 0- 40°C (Non-condensing)				
Noise Level	Less than 50dB @ 1 Meter		Less than 65dB @ 1 Meter		Less than 70dB @ 1 Meter
MANAGEMENT					
Smart RS-232/USB	Supports Windows 2000/2003/XP/Vista/2008, Windows 7/8, Linux, and MAC				
Optional SNMP	Power management from SNMP manager and web browser				

HPR11 Lithium UPS Series- from 1kVA to 10kVA

Complete solutions for IT infrastructures

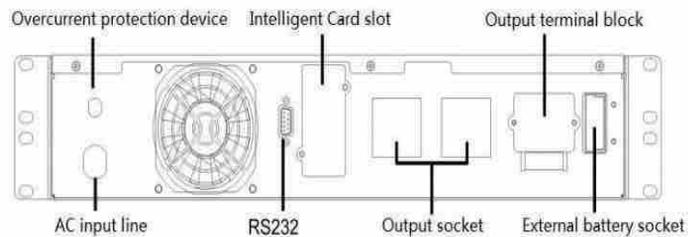


Application:

- Professional and IT equipment, small computer room.
- Servers and networking devices.
- CAD/Graphic workstations.
- Control system.
- Medical, electricity, defense, petrochemical, bank, transport, etc.



HPR 1-3K Panel



Feature:

- Rack mount type ups height: 1-10KVA 2U
- DSP technology guarantees high performance.
- Optional output power factor 0.8.
- Optional Emergency power off function (EPO).
- Built-in over voltage cut-off protection and surge immunity for full-time protection.
- Low input THDi to reduce power system pollution.

Technical data

Model	HPR1101H-L	HPR1102H-L	HPR1103H-L	HPR1106H-L	HPR1110H-L
Phase	Single phase and earth ground				
Power rating	1000VA/800W	2000VA/1600W	3000VA/2400W	6000VA/4800W	10000VA/8000W
INPUT					
Voltage range	110-300VAC @ 50% load or 160-280VAC @ 100% load				
Frequency Range	Frequency Range 50Hz/60Hz (auto sensing)				
Power Factor	≥0.99 @ 100% load				
OUTPUT					
Normal voltage	208/220/230/240VAC				
Voltage	±1%				
Frequency range	46Hz-54Hz or 56Hz-64Hz (Synchronized Range) 50Hz±0.1Hz or 60Hz±0.1Hz (Batt.Mode)				
Waveform	Pure Sine wave				
Waveform	≤2%THD(linear load),≤7%THD(non-linear load)				
Power factor	0.8				
Crest Factor	3:01				
Transfer time	0ms				
Overload capacity	105-125% 1min, 126-150% 30sec, >150%, 100ms			105-125% 10min, 126-150% 1min, >150%, 100ms	
EFFICIENCY					
Normal Mode	AC Mode: 95%, Battery Mode: 89%				
BATTERY					
Battery Type	Lithium battery pack				
Quantity(pieces)	4			16	
Charging Current(MAX)	4.0A				
DISPLAY					
LCD	Load, battery capacity, normal mode, battery mode, bypass, i lfu re				
WARMING					
Battery mode	Sounding every 4 seconds				
Low battery	Sounding every 1 seconds				
Overload	Sounding every second				
Fault	Contentiously Sounding				
WORK ENVIRONMENT					
Humidity	20~90% (Non-Condensing), 0~40 C centigrade				
Noise level	less than 55dB@1m				
MAINTENANCE					
Modbus RS-232/USB	Support Windows 2000/2003/XP/Vista/2008, Windows7/8,Linux,Unix and MAC				
SNMP(Optional)	SNMP and internet management				
PHYSICAL					
Dimension D x W x H (mm)	435*438*86[2U]			500*438*88[2U]	
Net Weight (kgs)	7.9	8.9	9	14.6	15

GW&GWJ series battery - from 12V7AH to 12V250AH

Solutions for your business critical applications



Application:

- Electric vehicle.
- Solar power system, wind power system.
- Electronic device.
- Other dynamic field.
- UPS.

Feature:

- Radial pattern grid, compact assembly design, high discharge efficiency.
- ABS lead paste, long service life.
- Unique alloyed grid with powerful corrosion capability, excellent recovery capability.
- High purity raw materials to minimize the self-discharge rate.
- Unique gas-recombination technique, completely sealing design, safe to use and environment friendly.
- Excellent and reliable sealing technique, save to use.

GW series battery specification

Type	Rated Voltage(V)	C20 rated	Dimensions(mm)			Weight(kgs)
		capacity(Ah)	L	W	H	
GW127	12	7	151	65	94	2.1
GW129	12	9	151	65	94	2.35
GW1220	12	20	181	77	167	5.2
GW1224	12	24	165	126	175	6.8
GW1238	12	38	198	166	172	11.5
GW1265	12	65	350	167	178	19.5
GW12100	12	100	407	174	210	28
GW12120	12	120	407	174	210	33
GW12150	12	150	484	171	241	41
GW12200	12	200	532	206	216	52.2
GW12250	12	250	522	240	219	70

GW series battery specification

Type	Rated Voltage(V)	C20 rated	Dimensions(mm)			Weight(kgs)
		capacity(Ah)	L	W	H	
GWJ1265	12	65	350	166	175	19.5
GWJ12100	12	100	407	173	210	29.4
GWJ12120	12	120	407	173	210	34.2
GWJ12150	12	150	532	183	209	43
GWJ12200	12	200	533	206	211	52.5
GWJ12250	12	250	522	240	219	70

A series battery cabinet

Solutions for your business critical applications



Feature:

- The battery cabinet is made of cold rolled steel or galvanization plates of high mechanical performance and bearing capacity.
- The compact structure with electrostatic spraying makes the cabinet more wear-resistant, corrosion-resistant and fireproofing.
- The cabinet is designed as assembly type which is convenient for transportation. All these guarantee the reliability and safety for the UPS.

Technical data

Model	Colour	Material	Size(mm)					QTY of Battery
			L	W	H	Layer	Weight(kg)	
A1	white or RAL7032	Steel plates or galvanized plates	435	210	270	1	4	17AH,4PCS; 24AH,3PCS; 38AH,2PCS; 65AH,1PCS; 100AH,1PCS;
A2	white or RAL7032	Steel plates or galvanized plates	450	470	320	1	6	17AH,8PCS; 24AH,6PCS; 38AH,4PCS; 65AH,2PCS; 100AH,2PCS;
A3	white or RAL7032	Steel plates or galvanized plates	585	470	320	1	9	17AH,12PCS; 24AH,8PCS; 38AH,6PCS; 65AH,3PCS; 100AH,3PCS;
A4	white or RAL7032	Steel plates or galvanized plates	450	470	615	2	16	17AH,32PCS; 24AH,12PCS; 38AH,8PCS; 65AH,4PCS; 100AH,4PCS;
A6	white or RAL7032	Steel plates or galvanized plates	585	470	615	2	19	17AH,28PCS; 24AH,12PCS; 38AH,12PCS; 65AH,6PCS; 100AH,6PCS;
A8	white or RAL7032	Steel plates or galvanized plates	780	470	615	2	21	17AH,40PCS; 24AH,26PCS; 38AH,20PCS; 65AH,8PCS; 100AH,8PCS;
A10	white or RAL7032	Steel plates or galvanized plates	950	470	615	2	26	24AH,20PCS;38AH,20PCS; 65AH,10PCS;100AH,10PCS;
A12	white or RAL7032	Steel plates or galvanized plates	780	470	900	3	30	17AH,40PCS; 24AH,30PCS; 38AH,24PCS; 65AH,12PCS; 100AH,12PCS;
A16	white or RAL7032	Steel plates or galvanized plates	780	470	1190	4	40	24AH,32PCS;38AH,32PCS; 65AH,16PCS;100AH,16PCS;
A20	white or RAL7032	Steel plates or galvanized plates	950	470	1190	4	46	24AH,40PCS;38AH,40PCS; 65AH,20PCS;100AH,20PCS;
A24	white or RAL7032	Steel plates or galvanized plates	1150	470	1190	4	60	65AH,24PCS; 100AH,24PCS;
A32	white or RAL7032	Steel plates or galvanized plates	780	880	1190	4	75	65AH,32PCS; 100AH,32PCS;
A40	white or RAL7032	Steel plates or galvanized plates	950	880	1190	4	95	65AH,40PCS; 100AH,40PCS;

BT/BE series battery pack- from 36VDC to 192VDC



BT/BE series battery products adopt advanced technology and production process, and focus on compatibility matching and system optimization of UPS in product design, technical index and process control.

BT/BE series battery pack can provide longer floating charge life and more powerful discharge characteristics, which is more suitable for UPS application.

Long life design

With the advanced technology of plate grid, the corrosion resistance of plate grid is greatly improved, and the life of the battery design is more than 10 years.

High rate of discharge is good

Using advanced plate design and terminal design, with advanced formula and welding technology, the high power discharge performance of the battery is improved while the capacity is guaranteed.

High consistency

It adopts automatic production technology, high production efficiency, good consistency of plate and battery, and more suitable for UPS series application.

Convenient installation and maintenance

Adopt the unified embedded terminal design, the battery is too large current performance, the installation and maintenance is simple and convenient.

UPS compatibility is high

In the product design, more emphasis is placed on the compatibility matching and system cost optimization of UPS, which is a perfect combination with UPS.

Technical data

Model	BT7032	BT9032	BT7061	BT9061	BT7081	BT9081	BT7161	BT9161	BE7161	BE9161
Quantity	6pcs	6pcs	6pcs	6pcs	8pcs	8pcs	16pcs	16pcs	16pcs	16pcs
Battery model	12V7AH	12V9AH	12V7AH	12V9AH	12V7AH	12V9AH	12V7AH	12V9AH	12V7AH	12V9AH
Output voltage	36VDC	36VDC	72VDC	72VDC	96VDC	96VDC	192VDC	192VDC	192VDC	192VDC
Interface Form	Three core output socket								Five-core output socket	
Size(mm)	438*420*87						482.6*600*130			
Weight(kg)	20	23	20	23	24.6	28.6	56.2	57.2	56.2	57.2

Product Structure

We supply all kinds of ups, precision air conditioning, VRLA/LiFePO4 batteries, EPS, Regulators(AVR), Charging pile, hope to work with you. Our Main market as below:

Europe: Spain France, Italy, Russia, etc

Middle East: UAE, Saudi Arabia, Nigeria, South Africa, Egypt, etc

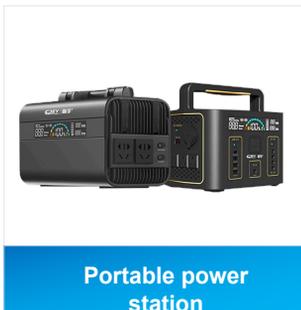
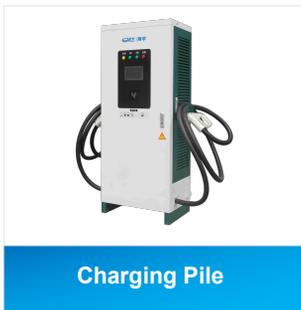
South East Asia: Indonesia, Thailand, Vietnam, Philippines, Myanmar, etc

Other Area: New Zealand Mongolia, Sri Lanka, Pakistan, etc

Data Center Infrastructure



New Energy Products



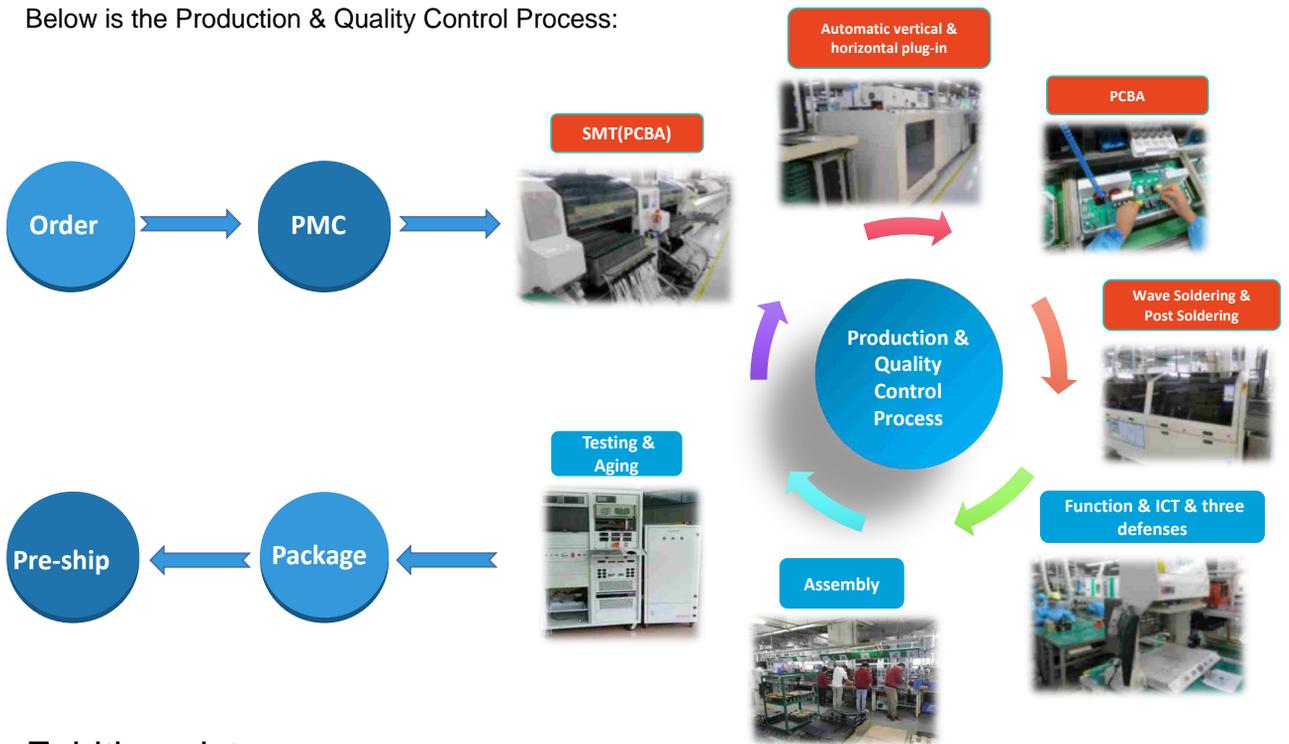
Some of partners



Focus On Quality

We strictly control the quality, electronic components, and other raw material inspection rates high over 95%, and fault detection rates under 0.3% or 0.5%, to help customers enlarge the market and meet most user's demands, we also invest more than 15% of sales in R & D every year.

Below is the Production & Quality Control Process:



Exhibition pictures



Germany Cebit Exhibition



Guangzhou Canton fair



HongKong Electronic fair



Dubai Gitex fair



Dubai MEE Exhibition



HongKong DataCenter



China Security Exhibition

Some installation cases

Item 1: Manufacturing

- Suzhou Tongding Light Bar Project, 160-300KVA
- Brant Semiconductor, 400KVA

Item 2: Government

- Local government of China
- Police station, 8-100KW CRAC
- Tax department
- Guizhou Hai'an Prison

Item 3: Supermarket

- Suning Supermarket, 1-200K
- China Vanguard, 1-6KVA
- Carrefour, 6-20K

Item 4: Estate

- Vanke Estate, 3-20K
- China Vanguard, 1-6KVA
- Carrefour, 6-20K

Item 5: Petrochemical

- PetroChina Yumen Oilfield Company
- Shunbei Oilfield Scientific Research Base

Item 6: Traffic

- Zhuyong Highway, 30-100K
- Hubei Highway system, 10-20K
- Wujiang Railway, 15-30K
- Vehicle Support Center, 120K

Item 7: Financial

- Bank of China
- Jiangxi Bank
- Jilin China Post
- Jiangsu Commercial Bank

Item 8: Communication & Energy

- China Tower, 1-200K
- China Telecom, 1-30KVA
- China Mobile Communications



Item 9: Medical

- Shulan(HangZhou) Hospital
- Jiangxi children's hospital
- Ganzhou cancer hospital



Item 10: Sport event

- Social Welfare Organization
- Sports lottery site, 1kva



Item 11: Catering

- Hidilao Hot Pot,6KVA
- Shunbei Oilfield Scientific Research Base



Item 12: Logistics

- Best Logistics,6-80KVA
- Beteng Logistics



Item 13: Data center

- Sichuan Weak current project
- Northstart Cloud Data Center
- China Southern Power Grid



Item 14: Radio & TV media

- Radio and Television Village Access Project
- Hebei Radio and Television Network,6-10KVA
- Shandong Radio and Television Group,1-30KVA



Item 15: Urban Construction

- Xueliang Project,6-20KVA
- Grid management system
- Poverty Alleviation Project
- Underground Pipe Gallery Project



Item 16: Other Industrial

- Yunnan University

