



Reros[®]

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- On-line Transformer Less UPS
- On-line Transformer Base UPS
- Offline/ Line-interactive UPS
- Solar inverter
- Battery

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COMPANY INTRODUCTION

Reros

with high quality products and comprehensive services
to ensure that the user key application system reliable operation
and faithful waiting for user investment value.

Located in Changzhou National High-tech Development Zone of China, Reros (Changzhou) Electronics Co., Ltd. is committed to growing into a manufacturer and service provider in the field of global power supply. It is a joint-stock and high-tech enterprise, integrating design, production, sales and services. Currently Reros has two large production bases, four production plants, five domestic and foreign business departments, 3 R&D centers, more than 100 R&D engineers sales offices and service centers in 30 provinces and cities in China. Moreover, it has established more than 80 global agency service outlets in Asian, African, Europe and America.

The company has been forging ahead with 20-year concentration! Reros has always been focusing on the R&D and manufacturing of UPS power supply. Reros boasts rich experience in the product design, manufacturing process, commissioning and inspection. Reros products have been widely used in important fields such as medical treatment finance, communication, education, metallurgy, national defense, aviation, radio and television, transportation, government agencies. Providing high quality green and reliable power supply for more than 80 countries and regions around the world, Reros is devoted to becoming the leader of global leading power supply!

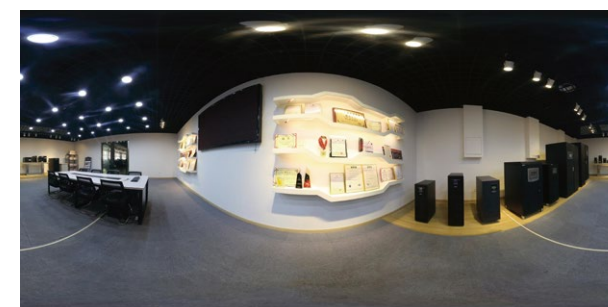
Always adhering to the service concept of "concentration, honesty, reliability and perfection", Reros establishes a full-coverage strategic partnership with agents at all levels and provides customers with 24-hour intimate services through the pre-sales and after-sales service networks across the world. Reros devotes itself to helping companies make brilliant achievements!

Committed to independent research and development, Reros strives to create reliable, efficient and energy-saving products. As your most trusted partner, you will see Reros in every corner of the world in the future.

Reros UPS firmly persists in the tenet of excellent quality. Its products have passed the three international standard certifications of ISO9001, ISO14001 and OHSAS18001. Reros has won many honorary titles such as the "Member of China Power Society", "Member of China Association of Communication Enterprises", "Green and Innovative Enterprise", "The Most Satisfactory Brand", "China Integrity Demonstration Business Enterprise", "Green Environmental Protection Product", "Excellent Data Center Solutions Provider". Many advantageous products have been consecutively included in the "Chinese Central Government Procurement Network" and "Chinese National Tax Government Procurement Platform" and obtained "Energy Saving Product certification", "China TLC product certification", "National radio and television network access certification", "EU CE certification". With 20 product design patents and 90 utility model patents, Reros has won the respect and trust of all society sectors for its excellent products and services!



Aerial photograph



Exhibition Hall



UPS Production Workshop1



R&D Department



Component Warehouse



UPS Production Workshop2

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OUR HONORS

W1-3KVA&G6-30KVA

--- Main feature

- Full digital control technology
 - Output power factor up to 1.0
 - LCD display panel
 - RS232 communication port
- Intelligent SNMP+USB+EPO+dry contact (optional)
 - High power density design
 - AC/AC efficiency up to 95%
 - ECO function

---Application

- Data center
 - Network device
 - Commercial facility
- Precision instrument
 - Home, Office and other AC power supply



Specification

Model	W1KS(L)	W2KS(L)	W3KS(L)	G116KS(L)	G11/3110KS(L)	G11/3115K	G11/3120K	G11/3130K
Capacity	1kVA	2kVA	3kVA	6kVA	10kVA	15kVA	20kVA	30kVA
Input features								
Voltage(Vac)	120VAC~300VAC				120-300(1/1)/266-475(3 /1)			
Frequency(HZ)					45~66			
Phase	Single phase				Single phase/3φ4W+PE			
Power factor	Full load ≥0.95				Full load ≥0.98			
Battery voltage (Vdc)	24/36	48/72	72/96	192(16-20pcs can be adjustable)				
Battery type	2*9Ah 12V/ External	4*9Ah 12V/ External	6*9Ah 12V/ External	16*9Ah 12V/External		External		
Output features								
Power factor	1.0							0.8
Voltage(V)	220/230/240±1%							
Frequency(HZ)	50/60±0.05% (battery mode)							
Transfer time (ms)	0							
Efficiency	≥92%				≥93%			
Waveform	Sine Wave, Linear Load THD<3%; Non-linear Load THD<5%							
Overload	105%~129% full load keep 60s; 130%~150% load keep 30s; Above 150% load keep 300ms				105%-125%,transfer to bypass after 10 mins; 125%-150%,transfer to bypass after 30secs;>150%,transfer to bypass after 0.5 second			
Crest factor	>3:1							
Output socket	EU/IEC/UK(optional)				Terminal block			
Others								
DC start	Yes							
Backup time	Normally 5-8 mins/Long time need to depend on demands							
Communication function	RS232(USB/dry contact are optional)							
SNMP (optional)	Can be network monitored by SNMP adapter							
Display	LED display UPS work status, LCD display UPS work parameters							
Noise (dB)	<50(within 1 meter)				<55(within 1 meter)			
Parallel function	No				Yes(optional)			
Alarm	Battery low-voltage, mains abnormal, overload, UPS fault, over temperature protection							
Protection	Input over-voltage protection, battery under-voltage protection, overload protection, short circuit protection, over temperature protection							
Working temperature (°C)	0~40							
Humidity	0~95%, Non condensing							
Size(D×W×H) (mm)	355×145×226	402×190×326		500×248×616(S&3/1)/500×240×460(L)		500×248×616		
Weight(KG)	7/12	8/19	8/24	19/62	64/21(1/1)30(3/1)	36	39	42

Note:

- 1、“L” is long backup UPS, “S” is standard UPS;
- 2、Because the products are continuously improved, please contact the company or dealer to inquiry the latest specification.

RW1-3K&RG6-30K



--- Main feature

- Full digital control technology
- Output power factor up to 1.0
- LCD display panel
- RS232 communication port
- Intelligent SNMP+USB+EPO+dry contact (optional)
- High power density design
- online double conversion
- External battery pack,rack kits(optional)
- ECO function

--- Application

- Data center
 - Network device
 - Commercial facility
- Precision instrument
 - Rack device
 - Telecom system

Specification

Model	RW1KS/L	RW2KS/L	RW3KS/L	RG116KS/L	RG11/3110KS/L	RG11/3115KL	RG11/3120KL	RG11/3130KL
Capacity	1kVA	2kVA	3kVA	6kVA	10kVA	15kVA	20kVA	30kVA
Input features								
Input (Vac)	120~300				120~300(1/1)/266-475(3/1)			
Frequency(HZ)	45~66 Automatically select synchronization range according to grid frequency							
Phase	Single phase				Single phase /3φ4W+PE			
Power factor	Full load ≥0.95				Full load ≥0.98			
Battery voltage (Vdc)	24/36	48/72	72/96	192(16-20pcs can be adjustable)				
Battery type	2*9Ah 12V/ External	4*9Ah 12V/ External	6*9Ah 12V/ External	16*9Ah 12V/External		External		
Output features								
Power factor	1.0							0.8
Voltage(V)	220/230/240±1%							
Frequency(HZ)	50/60±0.05% (battery mode)							
Transfer time (ms)	0							
Efficiency(AC mode@ full loads)	≥92%				≥93%			
Waveform	Sine Wave, Linear Load THD<3%; Non-linear Load THD<5%							
Overload capacity	105%~129% full load keep 60s; 130%~150% load keep 30s; Above 150% load keep 300ms				105%-125%,transfer to bypass after 10 mins; 125%-150%,transfer to bypass after 30secs;>150%,transfer to bypass after 0.5 second			
Crest factor	>3:1							
Others								
DC start	Yes							
Backup time	Long backup time, can be extended freely							
Charge recovery time	Determined by the extended battery capacity							
Communication function	RS232(USB/dry contact are optional)							
SNMP (optional)	Can be network monitored by SNMP adapter							
Display	LED display UPS work status, LCD display UPS work parameters							
Noise (dB)	<50(within 1 meter)				<55(within 1 meter)			
Parallel function	No			Yes(optional)				
Alarm	Battery low-voltage, mains abnormal, overload, UPS fault, over temperature protection							
Protection	Input over-voltage protection, battery under-voltage protection, overload protection, short circuit protection, over temperature protection							
Working temperature (°C)	0~40							
Humidity	0~95%, Non condensing							
Size(D×W×H) (mm)	375×440×88(2U)	612×440×88(2U)/375×440×88(2U)	612×440×130(3U)	1/1: 612×440×130(3U)/ 3/1: 700×440×130(3U)		660×440×260(6U)		
Weight(KG)	14/7	29 /9	33 /10	55 /19	57/21(1/1)/57/22(3/1)	32	38	40

Note:

- 1、“L” is long backup UPS, “S” is standard UPS;
- 2、Because the products are continuously improved, please contact the company or dealer to inquiry the latest specification.

W1-30K-E

---Main feature

- CPU control technology
- Fan motor intelligent control, also can be used with a generator
- Automatically select 50Hz/60Hz input frequency mode
- Bypass voltage set by RS232 Serial port
- MTBE: ≥200K hours, MTTR: 2min
- Manual maintenance bypass switch (optional)
- Fan motor temperature control intelligent protection, battery detect automatically
- Computer remote ability
- High performance battery optimized
- Double conversion pure on-line technology, super-width AC input voltage range
- Advanced display, set bypass voltage and output voltage range by the multi-function LCD panel
- ECO function



---Product introduction

It is based on double conversion intelligent on-line UPS, adopting advanced DSP digital control technology, with higher output performance indicators and many innovative designs, is an ideal power supply solution for small capacity of the scene. Small volume, light weight, low calorific value. Multi-functions including AC voltage regulator, back-up power and peak surge absorption as a whole, can meet the power protection of bad grid environment.

Specification

Model	W1KS/L-E	W2KS/L-E	W3KS/L-E	W6KS/L-E	W/3W10KS/L-E	W/3W15K-E	W/3W20K-E	W/3W30K-E
Capacity	1kVA	2kVA	3kVA	6kVA	10kVA	15kVA	20kVA	30kVA
Input features								
Voltage(Vac)	110~300				110~300/266-475	120~300/266-475		
Phase	Single phase				Single phase/3φ4W+PE			
Power factor	≥0.99							
Output features								
Voltage(Vac)	220±1%							
Frequency(HZ)	50/60±0.05% (battery mode)							
Transfer time (ms)	0							
Power factor	1.0							0.8
Battery voltage (Vdc)	36	72	96	192(16-20pcs can be adjustable)				
Waveform	Sine Wave, Linear Load THD≤2%; Non-linear Load THD≤5%							
Quantity of battery (Pcs) for 12V/9AH	2(24V)	4(48V)	6(72V)	16(192V)	16(192V)/External	External		
Efficiency (AC mode @ full loads)	≥92%			≥94%				
Overload	105% to 125%, transfer to bypass after 1 min; 125% to 150%, transfer to bypass after 30 seconds, with 15K-E and 20K-E transfer to bypass after 10 seconds; above 150%, transfer to bypass after 0.5 seconds;							
Crest factor	>3:1							
Others								
Charging Current	1-12A adjustable on W1-3KL-E & W6-30K-E							
DC start	Yes							
Backup time	Normally 5-8 mins/Long time need to depend on demands							
Communication function	RS232/USB/dry contact							
Display	LED display UPS work status, LCD display UPS work parameters							
Noise (dB)	<50(within 1 meter)							
Alarm	Battery low-voltage, mains abnormal, overload, UPS fault, over temperature protection							
Protection	Input over-voltage protection, battery under-voltage protection, overload protection, short circuit protection, over temperature protection							
Working temperature (°C)	0~40							
Humidity	20%-90% (no condensation)							
Size(D×W×H) (mm)	280*145*226(S/L)	390*145*226(S/L)	402*190*326(S) 390*145*226(L)	455*190*640(S) /402*190*326(L)		500*240*460		500*248*616
Weight(KG)	10/4	17/6	22/6	49/8	50/9	25	26	27

Note:
1、 “L” is long backup UPS, “S” is standard UPS;
2、 Because the products are continuously improved, please contact the company or dealer to inquiry the latest specification.

RW1-30K-E



--- Application

- CPU control technology
- Fan motor intelligent control, also can be used with a generator
- Automatically select 50Hz/60Hz input frequency mode
- Bypass voltage set by RS232 Serial port
- MTBE: ≥200K hours, MTTR: 2min
- Manual maintenance bypass switch (optional)
- Fan motor temperature control intelligent protection, battery detect automatically
- Computer remote ability
- High performance battery optimized
- Double conversion pure on-line technology, super-width AC input voltage range
- Advanced display, set bypass voltage and output voltage range by the multi-function LCD panel
- ECO function

--- Product introduction

It is based on double conversion intelligent on-line UPS, adopting advanced DSP digital control technology, with higher output performance indicators and many innovative designs, is an ideal power supply solution for small capacity of the scene. Small volume, light weight, low calorific value. Multi-functions including AC voltage regulator, back-up power and peak surge absorption as a whole, can meet the power protection of bad grid environment.

Specification

Model	RW1KS/L-E	RW2KS/L-E	RW3KS/L-E	RW6KS/L-E	RW/R3W10KS/L-E	RW/R3W15K-E	RW/R3W20K-E	RW/R3W30K-E
Capacity	1kVA	2kVA	3kVA	6kVA	10kVA	15kVA	20kVA	30kVA
Input features								
Voltage(Vac)	110~300				110~300/266-475	120~300/266-475		
Phase	Single phase				Single phase/3φ4W+PE			
Power factor	≥0.99							
Output features								
Voltage(Vac)	220±1%							
Frequency(HZ)	50/60±0.05% (battery mode)							
Transfer time (ms)	0							
Power factor	1.0							0.8
Battery voltage (Vdc)	36	72	96	192(16-20pcs can be adjustable)				
Waveform	Sine Wave, Linear Load THD≤2%;Non-linear Load THD≤5%							
Quantity of battery (Pcs) for 12V/9AH	2(24V)	4(48V)	6(72V)	16(192V)	16(192V)/External	External		
Efficiency (AC mode @ full loads)	≥92%			≥93%				
Overload	105% to 125%, transfer to bypass after 1 min; 125% to 150%, transfer to bypass after 30 seconds, with 15K-E and 20K-E transfer to bypass after 10 seconds; above 150%, transfer to bypass after 0.5 seconds;							
Crest factor	>3:1							
Others								
Charging Current	1-12A adjustable on RW1-3KL-E & RW6-30K-E							
DC start	Yes							
Backup time	Normally 5-8 mins/Long time need to depend on demands							
Communication function	RS232/USB/dry contact							
Display	LED display UPS work status, LCD display UPS work parameters							
Noise (dB)	<50(within 1 meter)							
Alarm	Battery low-voltage, mains abnormal, overload, UPS fault, over temperature protection							
Protection	Input over-voltage protection, battery under-voltage protection, overload protection, short circuit protection, over temperature protection							
Working temperature (°C)	0~40							
Humidity	20%~90% (no condensation)							
Size(D×W×H) (mm)	375*440*88(2U)(L)(S)	375*440*88(2U)(L)/612*440*88(2U)(S)	1/1:612*440*130(3U) 3/1:700*440*130(3U)			660*440*260(6U)		
Weight(KG)	14/7	29/9	33/10	55/19	57/21	32	38	40

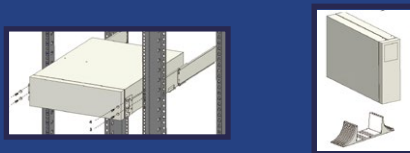
Note:
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2、 Because the products are continuously improved, please contact the company or dealer to inquiry the latest specification.

3W3G10-40K



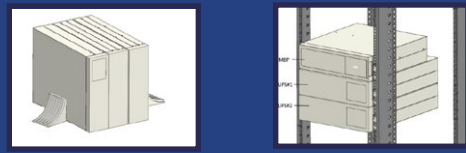
--- Rack-Mounted/Tower Design

Reros 3W3G series UPS is designed for rack-mounted and tower. Multiple installation modes. It is suitable for installation in a 19-inch standard rack cabinet, or standing at the tower foot.



--- Parallel Function

Output power factor is up to 1.0, it supports parallel expansion of up to 3 units UPS. In the parallel system, the installation of the UPS modular is the same as single UPS

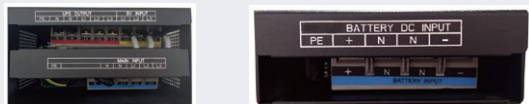


--- Input/Output phase

4 input/output modes:3/3, 3/1, 1/3 or 1/1 for customers to choose according to needs.

--- Rear Panel

- 1.UPS input terminal block (PE/N/N/L1/L2/L3)
- 2.UPS bypass input terminal block(L1/L2/L3)
- 3.UPS output terminal block(PE/N/N/L1/L2/L3)
- 4.External battery terminal block(PE/+N/N/-)



(Layout of terminal block)

--- Battery Charging

Three-stage charging design, optimize battery performance, charging current 1-13A can be set.

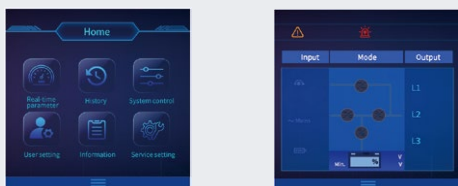
---Communication ports

The UPS provides USB , RS232 , EPO, Dry in& Dry out, RS485 port, Intelligent slot (Support hot swap).



--- LCD Touch Screen

LCD screen rotation design to meet the requirements of different scenarios, support self-gravity induction, LCD interface can automatically adjust the direction of the display; With a 4 inch 16.5M color IPS capacitive touch screen.



--- Automatically restart

After the battery is exhausted, when the utility power is restored, the UPS will enter the bypass mode and charge the battery. When the user setting turns on the automatic restart function, and the battery reaches the set restart battery power, The UPS will automatically restart.

--- High efficiency

The efficiency is 96%, which greatly saves energy consumption and greatly reduces the operating cost of customers. Input power factor >0.99, input current harmonic <3%, improve power utilization, effectively avoid additional energy loss, eliminate pollution to the grid.

Specification

Model	3W3G10K	3W3G15K	3W3G20K	3W3G30K	3W3G40K
Capacity	10kVA	15kVA	20kVA	30kVA	40kVA
Input features					
Input voltage (Vac)	380±20%				
Frequency (HZ)	50HZ±5HZ				
Phase	3 Phase 4 Wires+ Ground				
Power factor	≥0.99				
Battery voltage (Vdc)	±192				
Battery quantity (PCS)	30-40 can be adjustable				
Battery type	External				
Output features					
Power factor	1.0				
Output voltage (Vac)	L-N:220±1% L-L:380±1%				
Frequency (HZ)	50Hz/60Hz±0.2%				
Transfer time (ms)	0				
Efficiency (AC mode at full loads)	≥96%				
N+X in parallel (PCS)	3				
Waveform	Linear Load THD<3%; Non-linear Load THD<5%				
Overload capacity	105-125%full load keep 10min to transfer bypass; 125-150%full load keep 30seconds to transfer bypass;				
Crest factor	>3:1				
Others					
Communication	RS232/RS485/USB /dry contact(SNMP are optional)				
Protection	Output short circuit protection, output overload protection, over temperature protection, battery low-voltage protection, output over under-voltage protection, fan fault protection, etc				
Alarm	Battery low-voltage, mains abnormal, overload, UPS fault, over temperature protection				
Communication port	Standard : RS232、RS485、Dry contact、USB;For optional :SNMP				
Display	4 inches touchable screen				
Working temperature	0~55℃				
Humidity	0%-95% (No condensing)				
Noise(dB)	<65dB (Within 1 meter)				
Size(D×W×H) (mm)	700*440*133(3U)			900*440*133(3U)	
Weight(KG)	21	24	25	32	34

Note: 110VAC/208VAC input & output also can be provided under this UPS design, pls request to our sales dep.

3W3G 10-120K-T

--- Main Feature

- Supports 3/1, 3/3, 1/3 and 1/1 four output modes
- Intelligent human-machine interface, LCD display, standard color touch screen
- UPS parallel connection can be achieved through parallel lines
- Configure input, bypass, output, and manually maintain bypass breakers
- Configure RS232 \ RS485 \ USB \ SNMP card intelligent expansion slot and EPO
- The charging current can be set between 1-13A
- DC cold start function

--- Application

- Data center
 - Commercial facility
- Telecom system
 - Medical/Bank system
 - Precision instrument



Specification

Model	3W3G10K-T	3W3G15K-T	3W3G20K-T	3W3G30K-T	3W3G40K-T	3W3G60K-T	3W3G80K-T	3W3G100K-T	3W3G120K-T
Capacity	10KVA/10KW	15KVA/15KW	20KVA/20KW	30KVA/30KW	40KVA/40KW	60KVA/60KW	80KVA/80KW	100KVA/100KW	120KVA/120KW
Input features									
Input voltage (Vac)	380±20%								
Frequency (HZ)	50/60HZ								
Phase	3 Phase 4 Wires+ Ground								
Power factor	≥0.99								
Battery voltage (Vdc)	±192								
Battery quantity (PCS)	30-40 can be adjustable								
Battery type	External								
Output features									
Power factor	1.0								0.9/1.0
Output voltage (Vac)	L-N:220±1% L-L:380±1%								
Frequency (HZ)	50Hz/60Hz±0.2%								
Transfer time (ms)	0								
Efficiency (AC mode at full loads)	≥96%								
N+X in parallel (PCS)	3								
Waveform	Linear Load THD<3%; Non-linear Load THD<5%								
Crest factor	>3:1								
Others									
Communication	RS232/RS485/USB /dry contact(SNMP are optional)								
Protection	Output short circuit protection, output overload protection, over temperature protection, battery low-voltage protection, output over under-voltage protection, fan fault protection, etc								
Alarm	Battery low-voltage, mains abnormal, overload, UPS fault, over temperature protection								
Communication port	Standard : RS232、RS485、Dry contact、USB ; For optional : SNMP								
Display	4 inches touchable screen								
Working temperature	0~55℃								
Humidity	0%-95% (No condensing)								
Size(W×D×H) (mm)	280*650*780			380*830*900		380*935*1000		420*920*1175	
Weight(KG)	32	35	36	45	45	100	102	102	110

Note:110VAC/208VAC input & output also can be provided under this UPS design, pls request to our sales dep.

3W3G 10-80KS-T

--- Main Feature

- Supports 3/1, 3/3, 1/3 and 1/1 four output modes
- Built-in battery type
- Intelligent human-machine interface, LCD display, standard color touch screen
- UPS parallel connection can be achieved through parallel lines
- Configure input, bypass, output, and manually maintain bypass breakers
- Configure RS232 \ RS485 \ USB \ SNMP card intelligent expansion slot and EPO
- The charging current can be set between 1-13A
- DC cold start function

--- Application

- Data center
 - Commercial facility
- Telecom system
 - Medical/Bank system
 - Precision instrument



Specification

Model	3W3G10KS-T	3W3G15KS-T	3W3G20KS-T	3W3G30KS-T	3W3G40KS-T	3W3G60KS-T	3W3G80KS-T
Capacity	10KVA/10KW	15KVA/15KW	20KVA/20KW	30KVA/30KW	40KVA/40KW	60KVA/60KW	80KVA/80KW
Input features							
Input voltage (Vac)	380±20%						
Frequency (HZ)	50/60HZ						
Phase	3 Phase 4 Wires+ Ground						
Power factor	≥0.99						
Battery voltage (Vdc)	±192						
Battery quantity (PCS)	12V9AH*32PCS			12V9AH*64PCS		12V9AH*96PCS	12V9AH*128PCS
Battery type	Built-in battery						
Output features							
Power factor	1.0						
Output voltage (Vac)	L-N:220±1% L-L:380±1%						
Frequency (HZ)	50Hz/60Hz±0.2%						
Transfer time (ms)	0						
Efficiency (AC mode at full loads)	≥96%						
N+X in parallel (PCS)	3						
Waveform	Linear Load THD<3%; Non-linear Load THD<5%						
Crest factor	>3:1						
Others							
Communication	RS232/RS485/USB /dry contact(SNMP are optional)						
Protection	Output short circuit protection, output overload protection, over temperature protection, battery low-voltage protection, output over under-voltage protection, fan fault protection, etc						
Alarm	Battery low-voltage, mains abnormal, overload, UPS fault, over temperature protection						
Communication port	Standard : RS232、RS485、Dry contact、USB;For optional :SNMP						
Display	4 inches touchable screen						
Working temperature	0~55℃						
Humidity	0%-95% (No condensing)						
Size(W×D×H) (mm)	537*780*680			690*900*880		785*1000*980	
Weight(KG)	70	80	90	137	139	201	211

Note: ‘S’ is built-in battery type.

3W3G 10-120K-TE

--- Main Feature

- Supports 3/1, 3/3, 1/3 and 1/1 four output modes
- Intelligent human-machine interface, LCD display, standard color touch screen
- UPS parallel connection can be achieved through parallel lines
- Configure input, bypass, output, and manually maintain bypass breakers
- Configure RS232 \ RS485 \ USB \ SNMP card intelligent expansion slot and EPO
- The charging current can be set between 1-13A
- DC cold start function

--- Application

- Data center
 - Commercial facility
- Telecom system
 - Medical/Bank system
 - Precision instrument



Specification

Model	3W3G10K-TE	3W3G15K-TE	3W3G20K-TE	3W3G30K-TE	3W3G40K-TE	3W3G50K-TE	3W3G60K-TE	3W3G80K-TE	3W3G100K-TE	3W3G120K-TE
Capacity	10KVA/8KW	15KVA/12KW	20KVA/16KW	30KVA/24KW	40KVA/32KW	50KVA/40KW	60KVA/48KW	80KVA/64KW	100KVA/80KW	120KVA/96KW
Input features										
Input voltage (Vac)	380±20%									
Frequency (HZ)	50/60HZ									
Phase	3 Phase 4 Wires+ Ground									
Power factor	≥0.99									
Battery voltage (Vdc)	± 192									
Battery quantity (PCS)	30-40 can be adjustable									
Battery type	External									
Output features										
Power factor	0.8									
Output voltage (Vac)	L-N:220±1% L-L:380±1%									
Frequency (HZ)	50Hz/60Hz±0.2%									
Transfer time (ms)	0									
Efficiency (AC mode at full loads)	≥96%									
N+X in parallel (PCS)	3									
Waveform	Linear Load THD<3%; Non-linear Load THD<5%									
Crest factor	>3:1									
Others										
Communication	RS232/RS485/USB /dry contact(SNMP are optional)									
Protection	Output short circuit protection, output overload protection, over temperature protection, battery low-voltage protection, output over under-voltage protection, fan fault protection, etc									
Alarm	Battery low-voltage, mains abnormal, overload, UPS fault, over temperature protection									
Communication port	Standard : RS232, RS485, Dry contact, USB; For optional: SNMP									
Display	4 inches touchable screen									
Working temperature	0~55℃									
Humidity	0%-95% (No condensing)									
Size(W×D×H) (mm)	280*620*780				380*800*900		380*900*1000			420*920*1175
Weight(KG)	30	32	35	36	45	45	55	100	102	110

Note: 110VAC/208VAC input & output also can be provided under this UPS design, pls request to our sales dep.

3RWG 90-1200K



3RWG(90-450K)



3RWG(200-1200K)

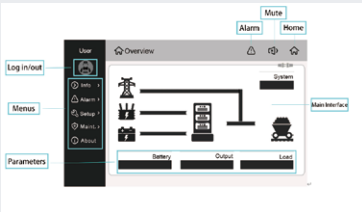
---Modular Design

3RW Series is the rack modular design, Seamlessly integrated with the latest data center designs, It is a true modular system, consists of dedicated redundant modules -- power supply, smart module, battery, and bypass.



---LCD Display

The intuitive design of 7 inches LCD touchable display enhances the readability of identified and advanced configuration.



---High efficiency

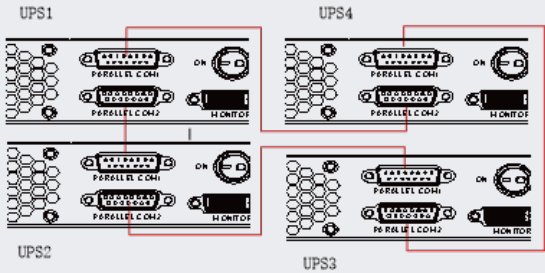
3RW modular UPS is high efficiency, when at AC mode full loads, it is ≥94%. And the output power factor is up to 1.0.

---Hot Swap for power modular and battery

The number of battery cells can be configured flexibly, so the original batteries can be used when modifying the legacy system; moreover, Power modular can be replaced in time when it fails without interrupting the normal operation of UPS.

---N+1 or N+X parallel redundancy for power guarantee

Scalable architecture allows you to optimize cost expense to meet power demands by vertically expanding in a single rack enclosure from 60KVA to 900KVA and achieve N+1 or N+X redundancy in the same rack.



---Adjustable Charging Current and battery voltage

3RW modular UPS provide maximum 5A charging current per modular and battery voltage can be set from 32pcs to 44pcs per string. They are user-adjustable based on requirement.

---Communication ports

UPS supports RS485, RS232 communication and network port (LAN) communication, simple network monitoring (SNMP) protocol communication, Mod-bus protocol communication, YD/T 1363.3-2005 protocol communication and dry contact communication.



---Friendly-environment

Input power factor ≥0.99, input current harmonic <5%, improve power utilization, effectively avoid additional energy loss, eliminate pollution to the grid, reduce energy consumption costs.

---Input &output phase

3RW series modular UPS can be configured to 3/3, 3/1,1/1

3RWG 90-450K M30

--- Main feature

- Hot-swappable design
- N+X parallel redundancy system,
- Intelligent fan control and redundant design
- RS232/RS485/LAN/dry contact communication port
- SNMP adapter(optional)
- Fully DSP control and high reliability and performance
- Allow 100% unbalanced load
- 7 inches touchable LCD screen
- Manual maintenance bypass switch

--- Application

- IDC
 - Telecom system
 - IT room
- Financial center
 - Precision instrument
 - Commercial facility

3RW Power Modular Technical Specification

Module Model	GM30
Module Capacity	30kVA
Input/Output Way	Three phase in three phase out
Module Dimension (W×D×H) mm	440×590×130
Weight (kg)	32 kg
Input PF	≥0.99
Input Total Harmonic Distortion THDI (%)	≤3%

3RW System Technical Specification

Model	3RWG90KM30	3RWG150KM30	3RWG180KM30	3RWG240KM30	3RWG300KM30	3RWG360KM30	3RWG450KM30
Capacity	90kVA	150kVA	180kVA	240kVA	300kVA	360kVA	450kVA
Type of power module	GM30						
Input mode	3 Phase 4 Wires+ Ground						
Input voltage(Vac)	380V/220V±20%, 400V/230V±20%, 415V/240V±20%						
Input frequency(HZ)	50Hz±10%、60Hz±10%						
Input power factor	≥0.99						
Battery voltage(Vdc)	±240						
Charge time	10hs (2hs backup battery capacity)						
Battery quantity(Pcs)	32-44 can be adjusted						
UPS Power factor	1.0						
Output voltage(Vac)	380/220V、400/230V、415/240V						
Output frequency(HZ)	50Hz±4%;Mains overrun or battery mode output is 50Hz±0.2% 60Hz±4%;Mains overrun or battery mode output is 60Hz±0.2%						
Output voltage Stability	±1% (Static) ; ±2% (Load change from 0 ~ 100%)						
Efficiency (AC mode@ full loads)	≥94%						
Output voltage recovery time	<20ms (Load change from 0 - 100%)						
Overload	Rated load 125% , runs 10mins						
Communication function	RS232/RS485/422/ dry contact/TCP/IP Expansion cards						
SMMP(optional)	Can be network monitored by SNMP adapter						
Parallel function	Yes(for optional)						
Alarm	Battery low-voltage, mains abnormal, overload, UPS fault, over temperature protection						
Working Environment Temperature	-5°C~40°C						
IP Class	IP20						
Cooling	Speed controlled air cooling						
Noise(dB)	≤55dB(Within 1 meter)						
Structure	19 inches Standard						
Monitor Management System	UP Supervisor						
Display	Touchable screen LCD/LED						
Size (W×D×H) mm	600×800×1200	600×800×1600		600×800×2000		1200×800×2000	
Weight (KG)	120	140	160	200	250	300	350

Note:
1, Because the products are continuously improved, please contact the company or dealer to inquiry the latest specification.

3RW 200-1200K M50/75/100

3RW Power Modular Technical Specification

Module Model	M50	M75	M100
Module Capacity	50kVA	75kVA	100KVA
Input/Output Way	Three phase in three phase out, three phase in single phase out, single phase in three phase out, single phase in single phase out		
Input PF	≥0.99		
Input Total Harmonic Distortion THDI (%)	≤3%		
Module Dimension (W*D*H) mm	442×622×129	442*628*172	440*750*130
Weight (kg)	30	45	50

3RW System Technical Specification

Model	3RW200K M50	3RW300K M50	3RW400K M50	3RW500K M50	3RW600K M50	3RW450K M75	3RW600K M75	3RW900K M75	3RW600K M100	3RW1200K M100
Capacity	200kVA	300kVA	400kVA	500kVA	600kVA	450kVA	600kVA	900kVA	600kVA	1200kVA
Type of power module	M50					M75			M100	
Input mode	3Ph+N+PE									
Input voltage(Vac)	380V/220V±20%、400V/230V±20%、415V/240V±20%									
Input Frequency(HZ)	50Hz±10%、60Hz±10%									
Input power factor	≥0.99									
Battery voltage(Vdc)	±240								384	
Battery quantity(Pcs)	32-44 can be adjusted								30-50can be adjusted, no neutral	
UPS Power factor	1.0									
Output voltage(Vac)	380/220V、400/230V、415/240V									
Output frequency(HZ)	50Hz±4%;Mains overrun or battery mode output is 50Hz±0.2% 60Hz±4%;Mains overrun or battery mode output is 60Hz±0.2%									
Output voltage Stability	±1% (Static) ; ±2% (Load change from 0 ~ 100%)									
Efficiency (AC mode@full loads)	≥94%									
Output voltage recovery time	<20ms (Load change from 0 - 100%)									
Overload	Rated Load 125% , runs 10mins									
Communication function	RS232/RS485/422/ dry contact/TCP/IP Expansion cards									
SMMP(optional)	Can be network monitored by SNMP adapter									
Parallel function	Yes(for optional)									
Alarm	Battery low-voltage, mains abnormal, overload, UPS fault, over temperature protection									
Working Environment Temperature	-5°C~40°C									
IP Class	IP20									
Cooling	Speed controlled air cooling									
Noise(dB)	≤55dB(Within 1 meter)									
Structure	19 inches Standard									
Monitor Management System	UP Supervisor									
Display	Touchable screen LCD/LED									
Size (W×D×H) mm	600*1000 *2000	900*1000*2000	900*1000 *2000	1400*850*2000 1200*1000*2200	1200*1000 *2200	900*1000 *2000	1200*1000 *2000	1800*1000 *2000	800*1000 *2000	1600*1000 *2200
Weight (KG)	200	250	320	400	500	400	540	600	410	800

Note:
1, Because the products are continuously improved, please contact the company or dealer to inquiry the latest specification.

3W3IG 100-600K

--- Main Feature

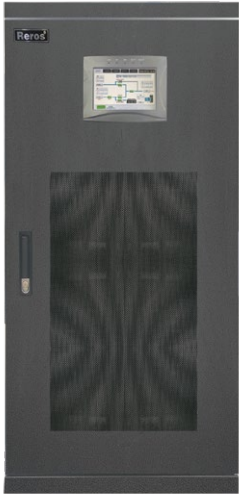
- N+X parallel redundancy system,
- Intelligent fan control and redundant design
- RS232/RS485/LAN/dry contact communication port
- SNMP adapter(optional)
- Fully DSP control and high reliability and performance
- Allow 100% unbalanced load
- 7 inches touchable LCD screen
- Manual maintenance bypass switch

--- Application

- IDC
- Telecom system
- IT room

- Financial center
- Precision instrument
- Commercial facility





Specification

Model	3W3IG100KL	3W3IG120KL	3W3IG160KL	3W3IG200KL	3W3IG250KL	3W3IG300KL	3W3IG400KL	3W3IG500KL	3W3IG600KL
Capacity	100KVA/80KW	120KVA/96KW	160KVA/128KW	200KVA/160KW	250KVA/200KW	300KVA/240KW	400KVA/320KW	500KVA/400KW	600KVA/480KW
Input mode	3 Phase 4 Wires+ Ground								
Input voltage(Vac)	380V/220V±20%、400V/230V±20%、415V/240V±20%								
Input Frequency(HZ)	50Hz±10%、60Hz±10%								
Input PF	≥0.99								
Battery voltage(Vdc)	±240								
Charge Time	10hs (2hs backup battery capacity)								
Battery quantity(Pcs)	32-44 can be adjusted								
UPS Power Factor	0.8								
Output Voltage(Vac)	380/220V、400/230V、415/240V								
Output Frequency(HZ)	50Hz±4%;Mains overrun or battery mode output is 50Hz±0.2%; 60Hz±4%;Mains overrun or battery mode output is 60Hz±0.2%								
Output voltage Stability	±1% (Static) ; ±2% (Load change from 0 ~ 100%)								
Efficiency (AC mode @ full loads)	≥94%								
Output voltage recovery time	<20ms (Load change from 0 - 100%)								
Overload	Rated load 125% , runs 10mins								
Communication function	RS232/RS485/422/ dry contact/TCP/IP Expansion cards								
SMMP(optional)	Can be network monitored by SNMP adapter								
Parallel function	Yes(for optional)								
Alarm	Battery low-voltage, mains abnormal, overload, UPS fault, over temperature protection								
Working Environment Temperature	-5℃~40℃								
IP Class	IP21								
Cooling	Speed controlled air cooling								
Noise(dB)	≤55dB(Within 1 meter)								
Structure	19 inches Standard								
Monitor Management System	UP Supervisor								
Display	Touchable screen LCD/LED								
Dimension(W×D×H) (mm)	600*800*1200		600*800*1600		600*800*2000	900*800*2000		1200*800*2000	
Weight(Kg)	200	210	260	290	410	490	590	740	810

Note: 110VAC/208VAC input & output also can be provided under this UPS design, pls request to our sales dep.

W1-3K-E-LV

--- Main Feature

This series of UPS is an advanced online sine wave uninterrupted power supply system, which can provide reliable, high-quality AC power for your precision equipment. Its application range is very wide, can be used in computer equipment, communication systems and industrial automatic control equipment, at the same time can also provide rich optional parts function, to meet different needs. Its dual conversion on-line design is different from back-up UPS. When the mains is normal, it will adjust the mains, filtering, for your equipment to provide more high-quality power supply; When the mains is abnormal or interrupted, it will provide you with high-quality backup power supply from the standby battery without time interruption; In the case of overload or inverter failure, the UPS switches to bypass mode and supplies power from the mains. If the overload is cleared, the UPS automatically switches to the inverter.

---Main feature

- Output power factor up to 1.0
- LCD display panel
- RS232 communication port
- Intelligent SNMP+USB+EPO+dry contact (optional)
- High power density design
- ECO function

---Application

- Data center
- Network device
- Computer equipment
- Communication systems
- Precision equipment



Specification

Model	W1KS/L-E-LV	W2KS/L-E-LV	W3KS/L-E-LV
Capacity	1kVA	2kVA	3kVA
Input features			
Voltage(Vac)	100/110/115/120/127VAC		
Voltage range	55~150VAC		
Power factor	0.99		
Phase	L+N+PE		
Frequency	50Hz/60Hz		
Frequency range	44~56Hz or 54Hz~66Hz		
Waveform	Linear Load <5%; Non-linear Load (PF=0.7) <6%		
Output features			
Voltage (Vac)	100/110/115/120/127VAC		
Voltage regulation	±1%		
Frequency range	Online Mode: Synchronized range;Battery Mode: 50/60Hz±1%		
Waveform	Linear Load <3%; Non-linear Load (PF=0.7) <5%		
Power factor	1.0		
Transfer time (ms)	AC Mode to Battery Mode 0ms, Inverter to Bypass 4ms (Typical)		
Overload capacity	102%~110% Load keep 60s; 110%~130% Load keep 10s; 130%~150% Load keep 3s; Above 150% load keep 300ms		
Crest factor	>3:1		
Efficiency (AC Mode & Full loads)	≥93.5		
Battery			
Battery voltage (Vdc)	24/36	48/72	72/96
Quantity of battery (Pcs) for 12V/9AH	2/3	4/6	6/8
Charging Current (A)	S: 1A; L:1~12A can be adjusted		
Ambient temperature (°C)	0~40℃		
Others			
Backup time (mins)	4mins/depend on demands	4mins/depend on demands	3mins/depend on demands
Charging time (hrs)	8hrs up to 90%/ depend on battery capacity		
Humidity	20%~95%		
Temperature (°C)	-15℃~55℃		
Altitude	The altitude should not exceed 1000m, and the height above 1000mshould be reduced to a maximum of 4000m, refer to IEC62040		
Display	LED Display UPS work status. LCD Display UPS work parameters		
Communication function	RS232 Port, SNMP Port, EPO Port, USB Port		
Size (D×W×H) (mm)	280*145*226	390*145*226	402*190*326 (S) /390*145*226 (L)
Net Weight (KG)	10/4	17/6	22/6

Note:
1、 “L” is long backup UPS, “S” is standard UPS;
2、 Because the products are continuously improved, please contact the company or dealer to inquiry the latest specification.

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3W3G 6-20K-LV

--- Main Feature

- Supports 3 /1, 3/3, and 1/1 four output modes
- The output power factor is up to 1.0 to meet the needs of users with higher loads
- 20-26 batteries are adjustable, and users can choose more battery configurations
- Charging current 1-13A flexible setup
- Touch gravity sensor LCD screen, friendly interface, more convenient operation
- Online double conversion mode efficiency up to 96%, battery mode efficiency up to 96%, more energy saving and environmental protection.

--- Application

- Server
 - Storage
- Network equipment
 - Precise instrument



Specification

Model	3W3G6K-LV	3W3G10K-LV	3W3G15K-LV	3W3G20K-LV
Capacity	6kVA/6kW	10kVA/10kW	15kVA/15kW	20kVA/20kW
Charging Current (A)	1~13A adjustable (default 3A)			
Frequency (HZ)	50/60Hz			
Power Factor	1.0			
Input Features				
Voltage Range (Vac)	55~164VAC			
Voltage (Vac)	120VAC			
Current (A)	16.6A (3phase)	27.7A (3phase)	41.6A (3phase)	55.5A (3phase)
	50A (1phase)	83A (1phase)	125A (1phase)	166A (1phase)
Frequency (HZ)	40~70Hz			
Output Features				
Voltage (Vac)	110/115/120/127VAC			
Overload	105%-125%load, after 10 mins transfer to bypass;125%-150%load, after 30 secs transfer;over 150%load, after 0.5 secs transfer			
Transfer Time				
Mains<->Battery (ms)	0ms			
Inverter<->Bypass (ms)	0ms			
Battery				
Battery Voltage (Vdc)	2*120-2*156VDC can be adjustable (default 2*144VDC)			
Quantity of Battery (pcs)	2*10-2*13 pcs can be adjustable (default 2*12 pcs)			
Environment				
Working Temperature (°C)	0°C ~ 50°C(above 40°C will derate 50%)			
Humidity	0 ~ 95% (No Condensing)			
Altitude	<4000m (Above 1km will Derated use)			
Storage Temperature (with battery)	-15°C ~ 40°C			
Storage Temperature (without battery)	-25°C ~ 60°C			
Standard				
Safety	EN62040-1:2008+A1:2013			
EMC	EN 62040-2			
Others				
Size W×H×D(mm)	440*133*700	440*133*700	440*900*133	
Weight (kg)	23	25	34	

Note:
Because the products are continuously improved, please contact the company or dealer to inquiry the latest specification.

3W3G 6-40KVA-T-LV

--- Main Feature

- Supports 3 /1, 3/3, and 1/1 output modes
- The output power factor is up to 1.0 to meet the needs of users with higher loads
- 20-26 batteries are adjustable, and users can choose more battery configurations
- Charging current 1-13A flexible setup
- Touch gravity sensor LCD screen, friendly interface, more convenient operation
- Online double conversion mode efficiency up to 96%, battery mode efficiency up to 96%, more energy saving and environmental protection.

--- Application

- Server
 - Storage
- Network equipment
 - Precise instrument



Specification

Model	3W3G6K-T-LV	3W3G10K-T-LV	3W3G15K-T-LV	3W3G20K-T-LV	3W3G30K-T-LV	3W3G40K-T-LV
Capacity	6kVA/6kW	10kVA/10kW	15kVA/15kW	20kVA/20kW	30kVA/30kW	40kVA/40kW
Charging Current (A)	1~13A adjustable (default 3A)					
Frequency (HZ)	50/60Hz					
Power Factor	1.0					
Input Features						
Voltage Range (Vac)	55~164VAC					
Current (A)	16.6A (3phase)	27.7A (3phase)	41.6A (3phase)	55.5A (3phase)	83.2A (3phase)	111A (3phase)
	50A (1phase)	83A (1phase)	125A (1phase)	166A (1phase)	250A (1phase)	332A (1phase)
Frequency (HZ)	40-70Hz					
Output Features						
Voltage (Vac)	110/115/120/127VAC					
Overload	105%-125%load, after 10 mins transfer to bypass;125%-150%load, after 30 secs transfer;over 150%load, after 0.5 secs transfer					
Transfer Time						
Mains $\leftrightarrow$ Battery (ms)	0ms					
Inverter $\leftrightarrow$ Bypass (ms)	0ms					
Battery						
Battery Voltage (Vdc)	2*120-2*156VDC can be adjustable (default 2*144VDC)					
Quantity of Battery (pcs)	2*10-2*13 pcs can be adjustable (default 2*12 pcs)					
Environment						
Working Temperature (°C)	0°C ~ 50°C(above 40°C will derate 50%)					
Humidity	0 ~ 95% (No Condensing)					
Altitude	<4000m (Above 1km will Derated use)					
Standard						
Safety	EN62040-1:2008+A1:2013					
EMC	EN 62040-2					
Others						
Size W×H×D(mm)	280*650*780		380*830*900		380*935*1000	
Weight (kg)	23	25	34	34	100	102

Note:
Because the products are continuously improved, please contact the company or dealer to inquiry the latest specification.

W1-3K-Li

--- Main Feature

- Pure sine wave output
- BMS protection system
- Longer cycling lifetime
- Intelligent SNMP+USB+EPO+dry contact (optional)
- High power density design
- External lithium battery pack,rack kits(optional)

--- Application

- Data center
 - Network device
 - Commercial facility
- Precision instrument
 - Rack device
 - Telecom system



Specification

Model	W1000VA-Li	W2000VA-Li	W3000VA-Li
Input features			
Voltage(Vac)	120-300		
Frequency(HZ)	45-66 automatically select synchronization range according to power frequency		
Output features			
Power factor	0.8		
Voltage (Vac)	220/230/240Vac		
Frequency(HZ)	50/60±0.05(battery mode)		
Transfer time (ms)	0ms		
Waveform	Pure sine wave		
Voltage(Vdc)	48		
Battery type	Rack-mount external		
Charger(Amp)	4 (can be extended)		
Others			
Communication function	RS232(USB, SNMP,dry contact is optional)		
Display	LED/LCD		
Working temperature(°C)	0-40		
Dimension(mm)(D*W*H)	355*145*226/375*440*88(2U)	402*190*326/375*440*88(2U)	
Weight (Kg)	7	8/9	8/10

RW1-3K-Li

--- Main Feature

- Pure sine wave output
- BMS protection system
- Longer cycling lifetime
- Intelligent SNMP+USB+EPO+dry contact (optional)
- High power density design
- External lithium battery pack,rack kits(optional)

--- Application

- Data center
 - Network device
 - Commercial facility
- Precision instrument
 - Rack device
 - Telecom system



Specification

Model	RW1000VA-Li	RW2000VA-Li	RW3000VA-Li
Input features			
Voltage(Vac)	120-300		
Frequency(HZ)	45-66 automatically select synchronization range according to power frequency		
Output features			
Power factor	0.8		
Voltage (Vac)	220/230/240Vac		
Frequency(HZ)	50/60±0.05(battery mode)		
Transfer time (ms)	0ms		
Waveform	Pure sine wave		
Voltage(Vdc)	48		
Battery type	Rack-mount external		
Charger(Amp)	4 (can be extended)		
Others			
Communication function	RS232(USB, SNMP,dry contact is optional)		
Display	LED/LCD		
Working temperature(°C)	0-40		
Dimension(mm)(D*W*H)	355*145*226/375*440*88(2U)	402*190*326/375*440*88(2U)	
Weight (Kg)	7	8/9	8/10

B1-30kVA

--- Main Feature

- IGBT inverter and output isolation transformer
- Online double conversion
- Wide input voltage range
- RS232 communication port
- SNMP +USB+dry contact(optional)
- High reliability and performance
- External battery pack (optional)

--- Application

- Data center
- Industry
- Commercial facility
- Telecom system
- Precision instrument



Specification

Model	B1KS/L	B2KS/L	B3KS/L	B6KS/L	B10KS/L	B15K	B20K	B30K
Capacity	1kVA	2kVA	3kVA	6kVA	10kVA	15kVA	20kVA	30kVA
Input features								
Input voltage (Vac)	220±25%							
Frequency(HZ)	45~66 Automatically select synchronization range according to grid frequency							
Phase	Single phase three wires							
Battery voltage (Vdc)	48	96	96/192	192				
Battery type	4*9Ah 12V/ External	8*9Ah 12V/ External	8/16*9Ah 12V/External	16*9Ah 12V/External		External		
Output features								
Power factor	0.8/0.9							
Voltage(V)	220/230/240±1%							
Frequency(HZ)	50/60±0.05% (battery mode)							
Transfer time (ms)	0							
Waveform	Sine Wave, THD<3%							
Overload capacity	110%~129% full load keep 10min; 130%~150% load keep 60s;							
Others								
Crest factor	>3:1							
Backup time	Standard time is 5-8mins/ Long backup time can be extended freely							
Charge recovery time	<10hours							
Communication function	RS232(USB/dry contact are optional)							
SNMP (optional)	Can be network monitored by SNMP adapter							
Display	LED display work status and fault indicator; LCD display single phase input voltage, input frequency, single phase output voltage, load, battery voltage etc							
Noise (dB)	<60(within 1 meter)							
Alarm	Battery low-voltage, mains abnormal, overload, UPS fault, over temperature protection							
Protection	Input over-voltage protection, battery under voltage protection, overload protection, short circuit protection, over temperature protection							
Working temperature (°C)	0~40							
Humidity	0~95%, Non condensing							
Size(D×W×H) (mm)	590×230×717(S)/590×230×540(L)				596×305×1065/890		700×405×955	750*505*1170
Weight(KG)	65/50	99/60	107/52	100/50	128/80	100	128	260

Note:
1、 “L” is long backup UPS, “S” is standard UPS;
2、 Because the products are continuously improved, please contact the company or dealer to inquiry the latest specification.

3B 6-50kVA

--- Main Feature

- IGBT inverter and output isolation transformer
- Online double conversion
- Wide input voltage range
- RS232/RS485 communication port
- SNMP adapter/dry contact(optional)
- High reliability and performance
- External battery pack (optional)
- Maintenance switch

--- Application

- Data center
- Industry
- Commercial facility
- Telecom system
- Medical/bank system
- Precision instrument



Specification

Model	3B6K	3B10K	3B15K	3B20K	3B30K	3B40K	3B 50K
Capacity	6kVA	10kVA	15kVA	20kVA	30kVA	40kVA	50kVA
Input features							
Voltage(Vac)	380±20%						
Frequency(HZ)	45~66 Automatically select synchronization range according to grid frequency						
Phase	3φ4W+PE						
Battery voltage (Vdc)	192	192/384				384	
Output features							
Power factor	0.8/0.9						
Voltage(V)	220/230/240±1%, Isolation transformer output						
Frequency(HZ)	50/60±0.5%(Free oscillation)						
Transfer time (ms)	0						
Waveform	Sine Wave, THD<3%						
Overload	125% load keep 10min, 150% load keep 60s						
Crest factor	>3:1						
Others							
Output ways	Terminal Block						
Parallel function	Yes(for optional)				No		
Manual maintenance bypass	with no transfer time bypass maintenance switch						
Backup time	Battery supply life can be configured freely						
Battery management	Automatic timing/floating conversion, has battery self-testing function, automatic alarm and judge when battery abnormal						
Efficiency(AC mode@ full loads)	≥90%						
Communication function	RS232 / RS485 interface, support for power monitor software						
SNMP (optional)	Can be network monitored by SNMP adapter						
Noise (dB)	<60(within 1 meter)						
Alarm	Battery low-voltage, mains abnormal, overload, UPS fault, over temperature protection						
Protection	Input over-voltage protection, battery under-voltage protection, overload protection, short circuit protection, over temperature protection						
Working Temperature (°C)	0~40						
Humidity	0~95%, No Condensing						
Size(D×W×H) (mm)	590×230×717	596×305×1065	596×305×1065(192VDC) 740×560×1200(384VDC)		700×405×955(192VDC)/740×560×1200(384VDC)		1040×560×1410
Weight(KG)	63	121	146/206	179/220	300/280	310	520

Note:
Because the products are continuously improved, please contact the company or dealer to inquiry the latest specification.

B1-30kVA-II

- Main Feature
- IGBT inverter and output isolation transformer
 - Online double conversion
 - Wide input voltage range
 - RS232/RS485 communication port
 - SNMP adapter/dry contact(optional)
 - High reliability and performance
 - External battery pack (optional)

- Application
- Data center
 - Industry
 - Commercial facility
 - Telecom system
 - Precision instrument



Specification

Model	B1KS/L-II	B2KS/L-II	B3KS/L-II	B6KS/L-II	B10KS/L-II	B15K-II	B20K-II	B30K-II
Capacity	1kVA	2kVA	3kVA	6kVA	10kVA	15kVA	20kVA	30kVA
Input features								
Input voltage (Vac)	120~300							
Frequency(HZ)	45~66 Automatically select synchronization range according to grid frequency							
Phase	Single phase three wires							
Battery voltage (Vdc)	36	96	96	192(16-20PCS can be adjustable)				
Battery type	2*9Ah 12V/ External	4*9Ah 12V/ External	6*9Ah 12V/ External	16*9Ah 12V/External		External		
Output features								
Power factor	0.8/0.9							
Voltage(V)	220/230/240±1%							
Frequency(HZ)	50/60±0.05% (battery mode)							
Transfer time (ms)	0							
Waveform	Sine Wave, THD<3%							
Overload capacity	110%~129% full load keep 10min; 130%~150% load keep 60s;							
Others								
Crest factor	>3:1							
Backup time	Standard time is 5-8mins/ Long backup time can be extended freely							
Charge recovery time	<10hours							
Communication function	RS232(USB/dry contact are optional)							
SNMP (optional)	Can be network monitored by SNMP adapter							
Display	LED display work status and fault indicator; LCD display single phase input voltage, input frequency, single phase output voltage, load, battery voltage etc							
Noise (dB)	<60(within 1 meter)							
Alarm	Battery low-voltage, mains abnormal, overload, UPS fault, over temperature protection							
Protection	Input over-voltage protection, battery under voltage protection, overload protection, short circuit protection, over temperature protection							
Working temperature (°C)	0~40							
Humidity	0~95%, Non condensing							
Size(D×W×H) (mm)	368*145*349	390*190*498		503*240*786(L)/503*425*786(S)		502*248*955		502*248*1050
Weight(KG)	22/17	40/24	41/28	105/60	110/65	95	105	140

Note:

1、 “L” is long backup UPS, “S” is standard UPS;

2、 Because the products are continuously improved, please contact the company or dealer to inquiry the latest specification.

RB1-30K

- Main Feature
- Full digital control technology
 - LCD display panel
 - RS232 communication port
 - Intelligent SNMP+USB+EPO+dry contact (optional)
 - High power density design
 - Online double conversion
 - External battery pack,rack kits(optional)

- Application
- Data center
 - Network device
 - Commercial facility
 - Precision instrument
 - Rack device
 - Telecom system



Specification

Model	RB1KL/S	RB2KL/S	RB3KL/S	RB6KL/S	RB10KL/S	RB15K	RB20K	RB30K
Capacity	1kVA	2kVA	3kVA	6kVA	10kVA	15kVA	20kVA	30kVA
Input features								
Input voltage (Vac)	120~300							
Frequency(HZ)	45~66 Automatically select synchronization range according to grid frequency							
Output voltage	220/120/110±1%; isolation transformer output							
Battery voltage (Vdc)	24/36	48/72	72/96	192(16-20PCS can be adjustable)				
Battery type	2*9Ah 12V/ External	4*9Ah 12V/ External	6*9Ah 12V/ External	16*9Ah 12V/External		External		
Output features								
Power factor	0.8/0.9							
Voltage(V)	220/230/240±1%							
Frequency(HZ)	50/60±0.05% (battery mode)							
Transfer time (ms)	0							
Efficiency (AC mode@ full loads)	≥92%				≥94%			
Waveform	Linear Load THD<3%; Non-linear Load THD<5%							
Overload capacity	115%~129% full load keep 10mins; 130%~150% load keep 60s;							
Crest factor	>3:1							
Others								
DC start	Yes							
Backup time	Long backup time, can be extended freely							
Charge recovery time	Determined by the extended battery capacity							
Communication function	RS232(USB/dry contact are optional)							
SNMP (optional)	Can be network monitored by SNMP adapter							
Display	LED display UPS work status, LCD display UPS work parameters							
Noise (dB)	<50(within 1 meter)				<55(within 1 meter)			
Alarm	Battery low-voltage, mains abnormal, overload, UPS fault, over temperature protection							
Protection	Input over-voltage protection, battery under-voltage protection, overload protection, short circuit protection, over temperature protection							
Working temperature (°C)	0~40							
Humidity	0~95%, Non condensing							
Size(D×W×H) (mm)	440*600*135(3U)			440*700*265(6U)		440*660*450(10U)		440*660*530(12U)
Weight(KG)	20/29	26/48	30/50	60/96	63/99	70	83	95

Note:

1、 “L” is long backup UPS, “S” is standard UPS;

2、 Because the products are continuously improved, please contact the company or dealer to inquiry the latest specification.

3B3G 10-600K

- Main Feature
- Intelligent DSP control technology
 - Standard 7 inches touchable LCD
 - Intelligent charger management
 - ECO mode with high efficiency
 - RS232/RS485/USB communication port
 - Three phase UPS allow 100% unbalanced load
 - EPO/Dry contact function
 - N+X redundancy parallel system
- Application
- Data center
 - Commercial facility
 - Telecom system
 - Medical/Bank system
 - Precision instrument



Specification

Model	3B3G 10K	3B3G 15K	3B3G 20K	3B3G 30K	3B3G 40K	3B3G 60K	3B3G 80K	3B3G 100K	3B3G 120K	3B3G 160K	3B3G 200K	3B3G 250K	3B3G 300K	3B3G 400K	3B3G 500K	3B3G 600K
Capacity	10kVA	15kVA	20kVA	30kVA	40kVA	60kVA	80kVA	100kVA	120kVA	160kVA	200kVA	250kVA	300kVA	400kVA	500kVA	600kVA
Input features																
Voltage range (Vac)	380Vac ±20%															
Frequency range	40-70(Automatically select synchronization range according to grid frequency)															
Bypass range	±20%															
Battery voltage	384VDC															480VDC
Battery quantity	29-32pcs can be adjustable															38-42pcs can be adjustable
Output features																
Output phase	3Φ+N+PE															
Output voltage	380/400/415 Vac															
Output voltage regulated accuracy	±1%															
Output frequency accuracy	AC mode: tracking bypass input in synchronous state; Battery mode:50Hz/60Hz±0.2%															
Output PF	0.8/0.9															
Waveform	<3%(Linear load) ; <5% (Non-line load)															
Peak factor	3:1															
Overload	When the load is less than or equal to 125%, it can turn to the bypass output after 10 minutes; when the load is more than 150%, it can turn to the bypass output after 1minutes;															
Others																
System efficiency	AC mode: ≥92%, ECO mode: ≥98%															
Transfer time	0 ms															
Protection	Output short circuit protection, output overload protection, over temperature protection, battery low-voltage protection, output over under-voltage protection, fan fault protection, etc															
Communication port	Standard :RS232, RS485, Dry contact, USB; For optional: SNMP															
Display	7 inches touchable screen								10 inches touchable screen							
Working temperature	0~55℃															
Storage temperature	-15℃~60℃ (Not including battery)															
Humidity	0%-95% (No condensing)															
IP level	IP21IP20															
Noise(dB)	<65dB (Within 1 meter)															
Size(D×W×H) (mm)	582*370*914			693*430*1150		815*430*1155		740*805*1405		865*1285*1600		865*1430*1600	1113*1405*2005	1113*1605*2005	1200*2600*2000	
Weight(KG)	108	130	146	220	256	297	350	480	550	800	1180	1280	1380	1680	2100	2350

Note:

1.Because the products are continuously improved, please contact the company or dealer to inquiry the latest specification.

3B3GY 10-600K

- Main Feature
- Intelligent DSP control technology
 - Standard 10 inches touchable LCD
 - Built in input/output isolation transformer
 - Intelligent charger management
 - ECO mode with high efficiency
 - RS232/RS485/USB communication port
 - Three phase UPS allow 100% unbalanced load
 - N+X redundancy parallel system
- Application
- Data center
 - Commercial facility
 - Telecom system
 - Medical/Bank system
 - Precision instrument



Specification

Model	3B3GY 10K	3B3GY 15K	3B3GY 20K	3B3GY 30K	3B3GY 40K	3B3G 60KY	3B3GY 80K	3B3GY 100K	3B3GY 120K	3B3GY 160K	3B3GY 200K	3B3GY 250K	3B3GY 300K	3B3GY 400K	3B3GY 500K	3B3GY 600K
Capacity	10kVA	15kVA	20kVA	30kVA	40kVA	60kVA	80kVA	100kVA	120kVA	160kVA	200kVA	250kVA	300kVA	400kVA	500kVA	600kVA
Input features																
Voltage range (Vac)	380Vac ±20%															
Frequency range	40-70(Automatically select synchronization range according to grid frequency)															
Pulse rectifier	6/12pulse														12pulse	
Battery voltage	384VDC														480VDC	
Battery quantity	29-32pcs can be adjustable														38-42pcs can be adjustable	
Output features																
Output phase	3Φ+N+PE															
Output voltage	380/400/415 Vac															
Output voltage regulated accuracy	±1%															
Output frequency accuracy	AC mode: tracking bypass input in synchronous state; Battery mode:50Hz/60Hz±0.2%															
Output PF	0.9															
Waveform	<3%(Linear load) ; <5% (Non-line load)															
Peak factor	3:1															
Overload	When the load is less than or equal to 125%, it can turn to the bypass output after 10 minutes; when the load is more than 150%, it can turn to the bypass output after 1minutes;															
Others																
System efficiency	AC mode: ≥92%, ECO mode: ≥98%															
Transfer time	0 ms															
Protection	Output short circuit protection, output overload protection, over temperature protection, battery low-voltage protection, output over under-voltage protection, fan fault protection, etc															
Communication port	Standard : RS232, RS485, Dry contact, USB; For optional: SNMP															
Display	10 inches touchable screen															
Working temperature	0~55℃															
Storage temperature	-15℃~60℃ (Not including battery)															
Humidity	0%-95% (No condensing)															
IP level	IP30(higher IP level can be customized)															
Size(D×W×H) (mm)	800*800*1500(6/12)			800*800*1600(6) 800*1000*1800(12)			800*1000*1800(6) 800*1200*1800(12)			865*1430*1800 (6/12)			1113*1405*2005 (6/12)		1113*1605*2005(6/12) 1200*2600*2000	
Weight(KG)	Customize according to requirements															

Note:

1.Because the products are continuously improved, please contact the company or dealer to inquiry the latest specification.

SD2-80KVA



--- Main Feature

- IGBT inverter and output isolation transformer
- Online double conversion
- Wide input voltage range
- RS232 communication port
- SNMP adapter ,dry contact,RS485(optional)
- Fully DSP control and high reliability and performance
- High IP level, ventilation, lighting,fire protection

--- Application

- Coal mine industry
 - Tunnel and marine equipment
- Telecom base station system
 - Highway transportation

Specification

Model	SD B2K	SD B3K	SD B6K	SD B10K	SD B15K	SD B20K	SD B30K	SD B6K	SD B10K	SD B15K	SD B20K	SD B30K	SD B10K	SD B15K	SD B20K	SD B30K	SD B40K	SD B60K	SD B80K		
Capacity	2kVA	3kVA	6kVA	10kVA	15kVA	20kVA	30kVA	6kVA	10kVA	15kVA	20kVA	30kVA	10kVA	15kVA	20kVA	30kVA	40kVA	60kVA	80kVA		
Input features																					
Voltage	220AC±25%								380VAC±25%												
Frequency	45-55HZ/55-65HZ																				
Output																					
Voltage	220-240VAC±1%								220-240VAC(phase voltage can be set)												
Frequency	50±0.2%/60HZ±0.2%																				
Output power factor	0.8/0.9																				
Battery																					
DC voltage	192VDC												384VDC								
Protection																					
Overload	125% full load keep 10 minute;150% full load keep 60 seconds;																				
Waveform	<3%(Linear load) ;<5% (Non-line load)																				
Dimension (W*D*H)(mm)	405*595*800					405*705*955	505*760*1185	405*700*955					505*760*1185	500*800*1400				600*800*1500		700*800*1600	
Weight(kg)	50	55	65	120	150	200	250	80	180	220	250	280	180	200	250	280	320	440	520		

Note：
1.Because the products are continuously improved, please contact the company or dealer to inquiry the latest specification.

DLB2-120KVA



--- Main Feature

- Wide input voltage range
- Digital control technology
- High IP level, applied to harsh grid conditions and generators
- Overload ability,strong anti-interference ability
- Human nature of network management
- Input/output isolation transformer internal

--- Application

- Coal mine industry
 - Industrial equipment
- Steel factory
 - Highway transportation
 - Petrochemical industry

Specification

Model	DLB 2K	DLB 3K	DLB 6K	DLB 10K	DLB 15K	DLB 20K	DLB 30K	DL3B 6K	DL3B 10K	DL3B 15K	DL3B 20K	DL3B 30K	DL3B 40K	DL3B 60K	DL3B 80K	DL3B 100K	DL3B 120K
Capacity	2kVA	3kVA	6kVA	10kVA	15kVA	20kVA	30kVA	6kVA	10kVA	15kVA	20kVA	30kVA	40kVA	60kVA	80kVA	100kVA	120kVA
Input features																	
Voltage range (Vac)	220AC±25%							380VAC±25%									
Frequency range	50Hz (±10%)																
Voltage	>0.9																
Output features																	
Voltage	220-240VAC(phase voltage can be set)																
Frequency	50/60HZ																
Output power factor	0.8/0.9																
Peak factor	≥3:1																
Battery																	
DC voltage	220VDC																
Protection																	
Overload	125% full load keep 10 minute;150% full load keep 60 seconds;																
Waveform	<2%(Linear load) ;<3% (Non-line load)																
Dynamic voltage transient range	≤4%																
Transient response recovery time	≤20ms																
Temperature/humidity	0-40°C/20-95% (No condensing)																
Communication port	RS232/RS485																
Protection function	Output short circuit, overload, overheating, battery undervoltage, output overvoltage/undervoltage, fan failure, lightning protection (optional)																
Dimension(D*W*H)(mm)	800*800*1800												800*1200*1800			800*1400*1800	
Weight(kg)	Confirm weight based on UPS configuration																

Note：
1.Because the products are continuously improved, please contact the company or dealer to inquiry the latest specification.

N 500-3000V



Specification

Model	N-500	N-600	N-800	N-1000	N-1200	N-1500	N-2000	N-3000
Capacity	500VA/300W	600VA/360W	800VA/480W	1000VA/600W	1200VA/720W	1500VA/900W	2000VA/1200W	3000VA/1800W
AVR	No	3 steps of AVR, CPU controlled					2 steps of AVR, CPU controlled	
Input features								
Input voltage range	110V: 90~132Vac	110V: 85~150Vac						
	220V:175~265Vac	220V:145~290Vac					220V: 175~275Vac	
Input frequency range	45-65 Hz							
Output features								
Output voltage	110/120Vac or 220/230/240Vac							
Output voltage range	110V: 90~132Vac	110V: 102~132Vac						
		220V:200~255Vac					220V: 198~242Vac	
Output frequency (DC mode)	50±0.1Hz / 60±0.1Hz (Auto sensing)							
Wave form	PWM (DC Mode)							
Transfer time	Typical 2~6ms, Max.10ms.							
Battery								
QTY & capacity of battery	1 pc*12V4.5Ah	1 pc*12V7Ah	1 pc*12V9Ah	2 pcs*12V7Ah	2 pcs*12V7Ah	2 pcs*12V9Ah	2 pcs*12V9Ah (4 pcs of 12V 7Ah is optional)	4 pcs*12V9Ah
Charging period	4~6 hours recover to 90% capacity							
Management								
RJ45/11 & USB, LCD/LED	Optional							
Physical								
Size (mm)	258×101×141	310×97×141		345×146×162			345×122×192	412×145×223
Net weight (kG)	3.8	4.0	4.3	7.0	7.2	9.0	11.1	20.4

Note:
1. Because the products are continuously improved, please contact the company or dealer to inquiry the latest specification.

NSL 1-5K



Specification

Model	NSL-1KL(S)	NSL-1.5KL(S)	NSL-2KL(S)	NSL-3KL(S)	NSL-5KL(S)
Capacity	1000VA/800W	1500VA/1200W	2000VA/1600W	3000VA/2400W	5000VA/4000W
Display	LCD				
AC Mode					
Input voltage range	145~275Vac				
Input frequency	45Hz-65Hz				
Output voltage range	200~240Vac				
Inverter Mode					
Output voltage range	220Vac±5%				
Output frequency	50±0.1Hz / 60±0.1Hz (Auto Sensing)				
Output wave form	Pure Sine Wave				
Transfer time	Typical 2~6ms, Max.10ms.				
Overload capability	Automally shut down in 60sec by 110% load, and shut down in 5sec by 120% load				
Battery					
Battery Voltage (VDC)	24VDC			48VDC	
QTY & Capacity of Battery for Standard Type	2 pc*12V7Ah	2 pc*12V9Ah	4pcs*12V7Ah	4pcs*12V9Ah	4pcs*12V17Ah
Charging Period	6~8 hours recover to 90% capacity				
Charging Current	5A or 10A adjustable for Long backup type				
Management					
USB & RS232	Optional (Alternative)				
Physical					
Size (D×W×H)mm	345×122×192 (L)		375×192×330(L)		
	454×410×298 (S)		495×238×343 (S)	525×335×485 (S)	660×220×376(S)
Net weight (L/S,1pc, kG)	8.5/9.7	10.5/11.6	14.6/19.4	20/24.8	26/50.2

Note:
1. Because the products are continuously improved, please contact the company or dealer to inquiry the latest specification.

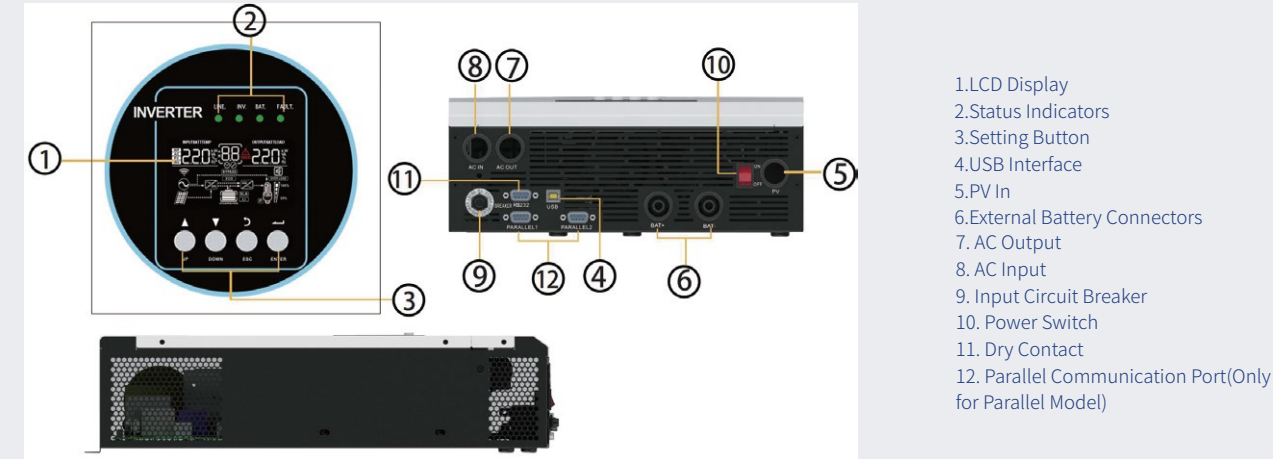
WPV 3-10K



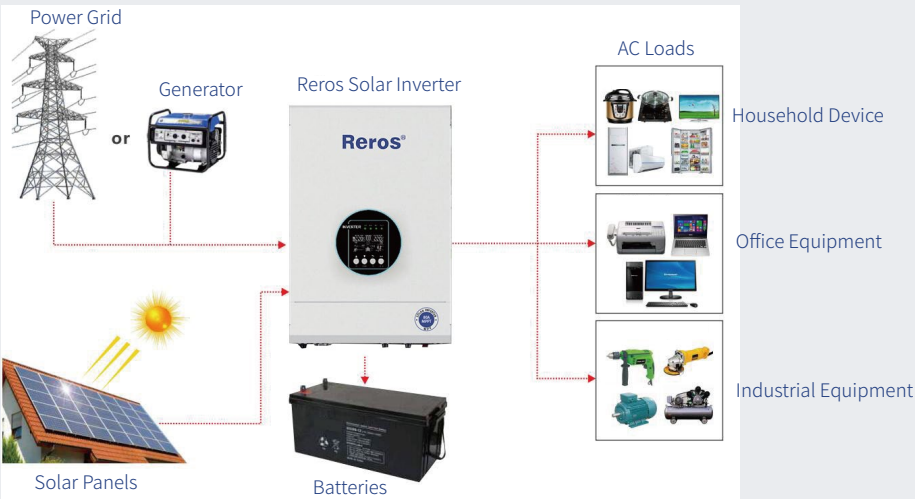
--- Main Feature

- High frequency design, pure sine wave output, work without battery.
 - 450V wide PV circuit voltage can work for the all kinds of loads.
 - Built in MPPT solar controller.
 - Configurable AC/Solar input priority and output priority via LCD settings.
 - Extra wide voltage and frequency input range, support mains or generator.
 - Multiple-protection function: battery over discharge, overload, over temperature, short circuit.
 - Automatically turn on after the mains is restored.
 - Cold start function; USB and RS232 monitoring functions.
 - WIFI and Bluetooth intelligent monitoring function, support mobile APP to view various data (optional).
 - Selectable charging for different types of battery via LCD setting.
 - Built-in or external WIFI and Bluetooth.
- Designed for household, office, network equipment, manufacturing, solar energy system, oil field, drilling field operation, etc.

---Panel description



---Application



Model	WPV 3024	WPV 3048	WPV 5048	WPV 8048	WPV 10048
Rated Capacity	3000VA/3000W		5000VA/5000W	8000VA/8000W	10000VA/10000W
INPUT					
Input Format	L+N+PE				
Rated Input Voltage	208/220/230/240VAC				
Voltage Range	170~280VAC(For Personal Computers); 90~280VAC(For Home Appliances)				
Frequency Range	50Hz/60Hz(Auto Sensing)				
OUTPUT					
Output Format	L+N+PE				
Rated Output Voltage	208/220/230/240VAC±5%				
Output Frequency	50/60Hz±0.1%				
Waveform	Pure Sine Wave				
Transfer Time	10ms(For Personal Computers), 10ms(For Home Appliances)				
Peak Power	6000VA	6000VA	10000VA	16000VA	20000VA
Overload Capacity	Battery Mode: 1min@102%~110% Load		10s@110%~130%Load	3s@130%~150% Load	200ms@>150% Load
Peak Efficiency (Battery Mode)	>93%	>94%	>94%	>93%	>93%
BATTERY					
Rated Voltage	24 VDC	48 VDC	48 VDC	48 VDC	48 VDC
Constant Charging Voltage (Can Be Set)	28.2 VDC	56.4 VDC	56.4 VDC	56.4 VDC	56.4 VDC
Float Charging Voltage (Can Be Set)	27 VDC	54 VDC	54 VDC	54 VDC	54 VDC
SOLAR CHARGER & AC CHARGER					
Solar Charger Type	MPPT	MPPT	MPPT	MPPT	MPPT
PV Maximum Input Power	4000W	4000W	5500W	8800W(4400W x 2)	11000W(5500W x 2)
MPPT Tracking Range	120~430 VDC	120~430 VDC	120~430 VDC	120~430 VDC	120~430 VDC
Maximum PV Input Voltage	450 VDC	450 VDC	450 VDC	450 VDC	450 VDC
Maximum PV Charge Current	80 A	80 A	80 A	80A+80A	80A+80A
Maximum Mains Charging Current	60 A	60 A	80 A	80A+80A	80A+80A
Maximum Charging Current	80 A	80 A	80 A	80A+80A	80A+80A
COMMUNICATION INTERFACE					
RS232	Baud Rate 2400				
Expansion Slot Communication Interface	2×5PIN/Pitch2.54mm,Lithium Battery BMS Communication Card, WIFI and Bluetooth Card, Dry Contact card, Etc.				
Parallel Interface	No Parallel		With Parallel (Optional)		
ENVIRONMENTAL PARAMETERS					
Operating Ambient Temperature	0~40℃				
Operating Environment Humidity	20%~95% (Non-Condensing)				
Storage Temperature	-15~60℃				
Altitude	Altitude Should Not Exceed 1000m, Derating Above 1000m, Maximum 4000m, Refer to IEC62040				
Noise	≤50db				
PHYSICAL PARAMETERS					
Size (D×W×H)mm	110×300×450			145×620×480	
Weight (KG)	7	7	7.8	16	16
STANDARDS					
EN-IEC 60335-1, EN-IEC 60335-2-29, IEC 62109-1					

lead acid battery7-250ah

- Main Feature
- High safety and reliability
 - Free of maintenance
 - Low possibility of discharging
 - Long life of battery
 - Strong adaptability
- Application
- UPS/communication system/electric power



Parameter for NP Serial sealed battery

Model	Voltage (V)	Capacity (Ah)	Dimension(mm)		
			L	W	H
NP9-12	12	9	151	66	100
NP18-12	12	17	180	77	167
NP24-12	12	20	166	126	180
NP40-12	12	38	197	166	180
NP65-12	12	65	350	166	179
NP100-12	12	100	407	173	240
NP120-12	12	120	407	173	240
NP150-12	12	150	484	171	240
NP200-12	12	200	522	240	241
NP250-12	12	250	520	268	224

Battery Cabinet

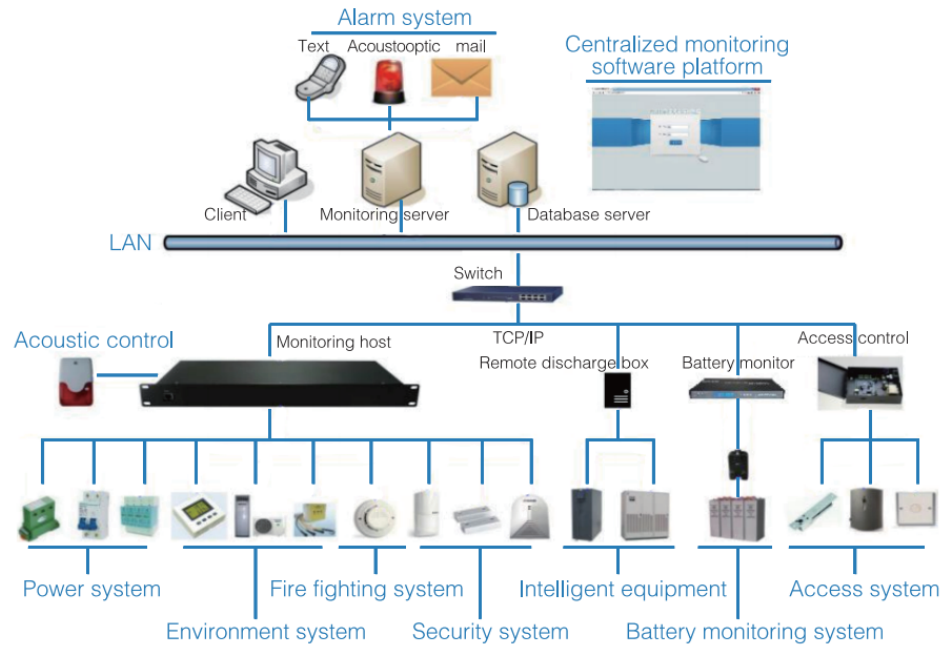


Monitoring Software and Accessories



- SMS alarm
- This device gives warning and keep records of UPS working situation.The users can know working condition of the UPS through mobile phone very well
- Feature
- Equipped with clock,make sure accuracy if the time and record history events when powers off
 - It can review and download UPS history events by website
 - It can set UPS for operating at a fixed time through website.

- SNMP Network Management System Function
- Feature
- This system includes the external SNMP Adapter,inside SNMP Card and SNMP view .
 - management software.
 - Display and record the working information of UPS.
 - Display UPS fault information.
 - Turning on (off) the UPS remotely.
 - Sending E-mail automatically.



Note:
1、 Because the products are continuously improved, please contact the company or dealer to inquiry the latest specification.

Lithium Battery 50-200AH

--- Main Feature

- High safety and power density
- Rackmounted and modular design
- CAN/RS485/DRY contact
- Support multiple modular battery packs for parallel
- BMS battery management system
- More than 3000 times of charging and discharging

--- Application

UPS/communication system/base station power supply



Parameters for Li-ion rechargeable battery

48V Battery module		
Model	LB48-50	LB48-100
Capacity	48V50Ah	48V100Ah
Rated power(KWH)	2.4	4.8
Charging voltage max.	56.8V	54.75
Voltage at end of discharge	44.0V	37.5-42.0V
Maximum continuous charge current	50A	100A
Maximum continuous discharge current	50A	100A
Cycle life	25C 0.5C/0.5C 100%DOD EOL80%≥2000	25C 0.5C/0.5C 100%DOD EOL80%≥3000
Operation Temperature Range	Charge : 0~55°C	Charge : 0~55°C
	Discharge : -20°C ~ 60°C	Discharge : -20~60°C
Dimension	482*480 *3U	482*480 *5U
Weight	32kg	55kg

384V Battery module		
Model	LB384-50	LB384-100
Capacity	48V50Ah	15S1P
Module model	15S1P	4.8
Module size	482.6*416.2*132.5mm	482.6*416.2*177mm
Module weight	29	44.5
Rated voltage	384Vdc	
Voltage range	276-438Vdc	
Floating charging voltage range	402-408Vdc	
Equal charging voltage range	408-414Vdc	
Rated capacity	50AH	100AH
Rated power	19.2KWH	40.32KWH
Maximum continuous charge current	50A	100A
Maximum continuous discharge current	50A	100A
Temperature Range	Charge: 0~55°C	
	Discharge: -10~60°C	
Optimal operating temperature	15~25°C	
Relative humidity	5%-95%	
Protection function	Over-temperature, over-current, short circuit, overcharge, over-discharge, etc	
Communication	CAN2.0/RS485/DRY CONTACT	
Dimension	(600*600 *1109mm)*2	(600*600 *1287mm)*2
Weight	About 196.5kg+181.5kg	About 255kg+244kg

480V Battery module				
Model	LB480-40	LB480-80	LB480-120	LB480-160
Capacity	40ah	80ah	120ah	160ah
Rated voltage	480Vdc			
Rated power	19.2KWH	38.4KWH	57.6KWH	76.8KWH
Voltage range	420-547.5Vdc			
Maximum continuous charge current	80A(2C)	160A(2C)	240(2C)	320(2C)
Maximum continuous discharge current	200A(5C)	400A(5C)	480A(4C)	480A(3C)
Temperature Range	Charge: 0~55°C			
	Discharge: -20~55°C			
Optimal operating temperature	15~35°C			
Working environment	Altitude: <2500m Relative humidity: <95% (no condensation)			
Cooling mode	Controlled air cooling			
Insulation resistance	>500MΩ@1500VDC			
Isolation and withstand voltage	2500VDC/1min			
Internal power supply mode	24VDC			
Static power consumption	35W			
Data display	7" TN true color LCD screen			
IP rating	IP21			
Dimension	600*550*2000mm	600*800*2000mm	600*950*2000mm	600*1150*2000mm
Weight	400kg	600kg	800kg	1000kg

Note :
1、 Because the products are continuously improved, please contact the company or dealer to inquiry the latest specification.