

# Reros®



UNINTERRUPTED  
POWER  
SYSTEM  
(UPS)

# Reros®

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**FLEXIBLE POWER  
INFLEXIBLE PROTECTION**



# COMPANY INTRODUCTION

Reros (Changzhou) Electronics Co.,Ltd is located in Changzhou National High-tech Development Zone of China, 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 2 large production bases, 4 production plants, 5 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, EPS fire emergency power supply, stabilized voltage supply, precise power distribution cabinets, precise air conditioners, micro-module integrated machine rooms, power monitoring systems and other power equipment.

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!



## 2003

In November 2003, the Hong Kong solely-invested Reros(Changzhou) Electronics Co., LTD. was established.

## 2004

In June 2004, Reros company's first phase of construction was laid a foundation in Changzhou National Hi-tech development zone.

## 2005

In September 2005, Reros company passed the 《GB/T19001-2000 idt ISO9001:2000》 identification.

In August 2005, W3KS, 3W340k passed the inspection by National Computer Peripherals Quality Inspection Center.

In August 2005, Reros's 13,000 M2 workshop construction was completed and started production.

## 2006

In March 2006, W、 3W3 series products passed the European CE identification.

## 2007

In July 2007, Reros 3W3(380V/380V) UPS passed TLC identification.

In April 2007, launched W6-10k(single in/single out), 3W10-20K( three in /single out)products successfully.

In April 2007, 3W3(380V/380V) products installed intelligent, humanization, large LCD screen display.

In January 2007, Reros UPS passed the national quality supervision inspection.

## 2008

In March 2008, Reros W series UPS passed the National Quality supervision and spot check again.

## 2009

In June 2009, seven product patents has been approved.

In January 2009, company applied for joining the Power Institute of China successfully, became a formal member of Institute.

## 2010

In September 2010, company declared provincial high-tech enterprise successfully.

## 2012

In September 2012, Reros R&D department obtained the title of "Reros UPS technology research and development center" from Science and Technology Department of Jiang Su province.

In August 2012, 3W10-20K upgraded version(2nd generation)products passed the latest European CE standard test.

In July 2012, Reros company passed the audit by Chinese Communications Enterprises Association of Professional Committee of the Communication network operations, and join into the China Association of Communication Enterprises successfully.

In April 2012, B5KS, B5KL UPS were approved by the Korean KCT identification.

In April 2012, W1-3K, W6-10K upgraded(2nd generation) products passed the latest European CE standard test.

In March 2012, W1-3k, W6-20k upgraded(2nd generation) products came into market.

## 2011

In December 2011, company's full range of products were assessed as High-Tech products by Changzhou Government.

In November 2011, company passed the KGB/T 19001-2008 idt ISO 9001: 2008&gt; identification.

## 2013

In June 2013, Reros full range of products shortlisted again for the "online mall" project which was created by Zhejiang Hangzhou government.

In June 2013, Online 10-600K UPS completed "green energy"plan. Factory review and product testing were approved by the CQC center, and then obtained the China Energy Conservation Product Certification successfully.

In May 2013, Reros full range of products shortlisted for Beijing government procurement projects by excellent quality and good service.

In May 2013, Reros' full range of products passed the test by the Post Ministry and Telecommunications product testing center, and were completed the TLC identification.

## 2014

In 2014, all UPS aboved 10KVA(3 phase)were approved by TLC and CQC orgnization, and new generation of 3W3 10-80KVA were created; Reros UPS was selected by national government purchasing system.

## 2015

In 2015, Reros New Modular UPS from 25K-500K (single unit) was applied widely by end users (such as Changzhou University, Shanghai Hospital, National Taxation System, Broadcasting Company and so on).



# Reros

## PRODUCT CONCEPT

- Reliable
- Intelligent
- Efficient

## CERTIFICATE OF HONOR



## CONTENTS

- 01 On-line Transformer Less UPS
- 03 W1-20K
- 05 RW1-20K
- 07 3W3 10-80K
- 09 R3RW 20-60K
- 11 3RWM20/25/30 & 3RWM50K120-800K
- 13 RW1-3K-Li (Lithium UPS)
- 15 AW1-3K / RAW1-3K (110VAC)
- 17 On-line Transformer Base UPS
- 19 B1-20K
- 21 3B 6-50K
- 23 3B3 10-120K
- 25 3B3GX60-600K
- 27 Industrial UPS 10-120K
- 29 Tunnel/Island/Desert UPS 2-40K
- 31 AB 1-20K (110VAC)
- 33 A3B 6-20K (208VAC)
- 35 Offline/Line-interactive UPS, Inverter, Battery
- 37 N, NSL, NXL, NEP
- 39 Battery for UPS/EPS/Energy System
- 41 IT/IDC Infrastructure
- 43 Integrated Power System for IDC 1-250K
- 45 Precision Air Conditioner 7.5-100KW
- 47 AVR 10-3000KVA
- 49 EPS 0.5-800KW
- 51 ATS 10-32A
- 53 Software and Accessories
- 55 Monitoring System



## W1-20K



### 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

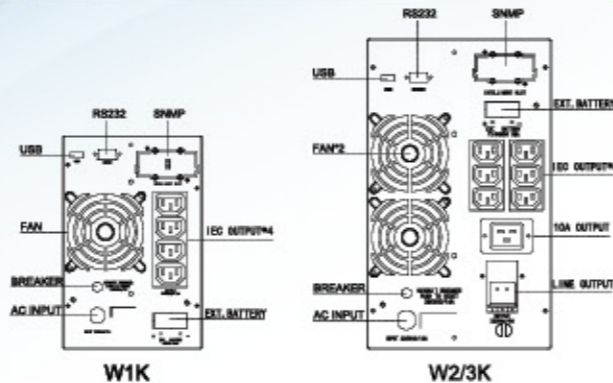
### APPLICATION

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

### SOCKET OPTIONAL FOR W1-3KVA



### REAR PANEL DIAGRAM



### SPECIFICATION

Model	W1KS(L)	W2KS(L)	W3KS(L)	W6KS(L)	W/3W10KS(L)	W/3W15K	W/3W20K
Capacity	1kVA	2kVA	3kVA	6kVA	10kVA	15kVA	20kVA
<b>Input features</b>							
Voltage(Vac)	120VAC ~ 300VAC			120-288(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	72/72	72/96	192/240			
Battery type	2*7Ah 12V/ External	6*7Ah 12V/ External	6*7Ah 12V/ External	16*7Ah12V/External		External	
<b>Output features</b>							
Power factor	1.0			0.9/1.0			
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	105%~129% full load keep 60s; 130%~150% load keep 30s; Above 150% load keep 300ms						
Crest Factor	>3:1						
Output socket	EU/IEC/UK( optional)			Terminal block			
<b>Others</b>							
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)	12/10	26/19	27/20	52/21	58/25(1/1) 64/30(3/1)	36	39

Note:

"L" is long backup UPS, "S" is standard UPS;

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



## RW1-20K



### 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

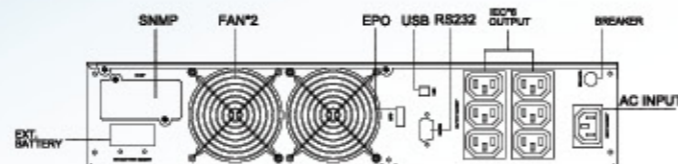
### APPLICATION

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

### SOCKET OPTIONAL FOR RW1-3KVA



### REAR PANEL DIAGRAM



RW2/3K Rear Panel

### SPECIFICATION

Model	RW1K S/L	RW2K S/L	RW3K S/L	RW6K S/L	RW/R3W10K S/L	RW/R3W15K	RW/R3W20K
Capacity	1kVA	2kVA	3kVA	6kVA	10kVA	15kVA	20kVA
<b>Input features</b>							
Input (Vac)	120 ~ 288			120 ~ 288(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	72/72	72/96	192/240			
Battery type	2*7Ah 12V/ External	6*7Ah 12V/ External	6*7Ah 12V/ External	16*7Ah 12V/ External	16*7Ah 12V/ External	External	
<b>Output features</b>							
Output Power factor	1.0			0.9/1.0			
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	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						
Crest factor	>3:1						
<b>Others features</b>							
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*447*130(3U)		660*440*260(6U)	
Weight(KG)	14/7	29 /9	33 /10	55 /19	57/21	34	38

Note:

"L" is long backup UPS, "S" is standard UPS;

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



## 3W3 10-80K



### MAIN FEATURE

- Full DSP control technology
- Output power factor up to 0.9, IGBT rectifier
- Intelligent SNMP+USB+EPO (optional)
- RS232/RS485/dry contact communication port
- ECO function
- Maintenance switch
- DC cold start function
- Intelligent fan speed control

### APPLICATION

- Data center
- IT room
- Commercial facility
- Precision instrument
- Telecom system
- Rack device



### SPECIFICATION

Model	3W3RX10K S/L	3W3IX20K S/L	3W3IX30K S/L	3W3IX40K S/L	3W3IX60K	3W3IX80K
Capacity	10kVA	20kVA	30kVA	40kVA	60kVA	80kVA
<b>Input features</b>						
Input voltage (Vac)	380 (-45% ~ +25%) , -45% ~ -20%					
Bypass voltage(V)	+15%(+20% optional)/-25%					
Frequency (HZ)	40—70Hz Automatically select synchronization range according to grid frequency					
Phase	3φ4W+PE					
Power Factor	≥ 0.99					
Battery voltage (Vdc)	240	±192				
Quantity of battery (Pcs)	16-20 can be adjusted	28-32 can be adjusted				
Battery type	20*7Ah 12V /External	30*9Ah 12V /External	30*12Ah 12V /External	30*12Ah 12V /External	External	
<b>Output features</b>						
Power factor	0.9					
Voltage(V)	380/400/415±1%					
Frequency(HZ)	Mains normal, Same as input; Mains abnormal, 50±0.2%					
Transfer Time (ms)	0					
Efficiency (AC mode @ full loads)	> 93%					> 94%
N+X in parallel	3pcs					8pcs
Waveform	Linear Load THD<3%; Non Linear Load THD<5%					
Overload capacity	125% full load keep 10 mins, 150% full load keep 60s					
Crest factor	>3:1					
<b>Others</b>						
Manual maintenance bypass	With no transfer time bypass maintenance switch					
Communication	RS232/RS485/dry contact(SNMP/USB are optional)					
Noise (dB)	<58(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					
Cooling way	Forced cooling					
Working Temperature (°C)	0 ~ 40					
Humidity	0 ~ 95%, no condensing					
EMC	GB7260.2					
Size(D×W×H) (mm)	250*592* 826/576	420*643*956	470*710*1150		796*500*1200	
Weight(KG)	109/38	183/82	222/110	226/114	160	180

**Note:**

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



## R3RW 20-60K



### MAIN FEATURE

- Rackmounted modular design
- N+X parallel redundancy system
- RS232/RS485/dry contact communication port/TCP/IP Expansion cards
- Intelligent SNMP(optional)
- Maintenance switch
- DC cold start function
- Intelligent fan speed control

### APPLICATION

- Data center
- IT room
- Commercial facility
- Precision instrument
- Telecom system
- Rack device

### SPECIFICATION

Model	R3RW 20K	R3RW 25K	R3RW 30K	R3RW 40K	R3RW 50K	R3RW 60K
Capacity	20kVA	25kVA	30kVA	40kVA	50kVA	60kVA
Type of power module	M20	M25	M30	M20	M25	M30
<b>Input features</b>						
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 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 )	±384					
Quantity of battery ( Pcs )	64					
Battery type	External					
<b>Output features</b>						
Power factor	1.0	0.9	0.8	1.0	0.9	0.8
Voltage(V)	380/220V、400/230V、415/240V					
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%					
Transfer Time ( ms )	0					
Efficiency (AC mode @ full loads)	≥ 94%					
Overload	Rated Load 125% , runs 10min					
Parallel function	Yes(optional)					
Crest factor	>3:1					
<b>Others</b>						
Manual maintenance bypass	With no transfer time bypass maintenance switch					
Communication	RS232/RS485/422/ dry contact/TCP/IP Expansion cards					
SNMP(optional)	Can be network monitored by SNMP adapter					
Working Temperature ( °C )	-5 ~ 40°C					
Size(D×W×H) (mm)	700*440*220/5U			700*440*355/8U		
Weight(KG)	41	42	43	69	71	73

**Note:**

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



## 3RWM20/25/30 & 3RWM50K120-800K



### 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, 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	3RW120/150/180K	3RW200/250/300K	3RW400/500/600K	3RW-300K	3RW-500K	3RW-600K	3RW-800K
Capacity	120/150/180 KVA	200/250/300 KVA	400/500/600 KVA	300KVA	500KVA	600KVA	800KVA
Type of power module	M20/M25/M30			M50			
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)	±384			±240			
Battery quantity(Pcs)	64			32-44 (can be adjusted)			
UPS Power Factor	1.0/0.9/0.8			0.9/1.0			
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%			≥ 96.5%			
Output voltage recovery time	< 20ms ( Load change from 0 - 100% )						
Overload	Rated Load 125% , runs 10min						
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)						
Storage Environment Temperature	-25°C ~ 60°C						
Working Environment Temperature	-5°C ~ 40°C						
IP Class	IP31						
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)	600*800*1600	800*800*2000	2000*800*2000	800*800*2000	1400*800*2000	1400*800*2000	2000*800*2000
Weight (Kg)	180KG	250KG	450KG	250KG	400KG	500KG	540KG

**Note:**

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



## RW1-3K-Li (Lithium UPS)



### MAIN FEATURE

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

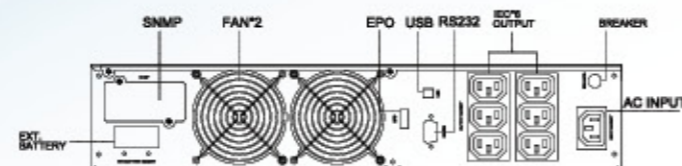
### APPLICATION

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

### SOCKET OPTIONAL FOR RW1-3K-LI



### REAR PANEL DIAGRAM



RW2/3K-Li Rear Panel

### SPECIFICATION

Model	RW1000VA-LI	RW2000VA-LI	RW3000VA-LI
<b>Input</b>			
Voltage(Vac)	120-288		
Frequency(HZ)	45-66 automatically select synchronization range according to power frequency		
<b>Output</b>			
Power factor	0.8		
Voltage(Vac)	220/230/240Vac		
Frequency(HZ)	50/60±0.05(battery mode)		
Transfer time	0ms		
Waveform	Pure sine wave		
Voltage(Vdc)	24	48	
Battery type	Rack-mount external		
Charger(Amp)	4 (can be extended)		
<b>Others</b>			
Communication	RS232(USB, SNMP,dry contact is optional)		
Display	LED/LCD		
Working temperature(°C)	0-40		
Dimension(mm) (D*W*H)	375*440*88(2U)		
Weight(kg)	7	9	10

Note:

"L" is long backup UPS, "S" is standard UPS;

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



## AW1-3K / RAW1-3K (110VAC)



### MAIN FEATURE

- Online double conversion
- Wide input voltage range
- Tower and rackmount type are optional
- RS232 communication port
- USB/SNMP adapter/dry contact/EPO(optional)
- High reliability and performance
- External battery cabinet kits(optional)

### APPLICATION

- Data center
- "19" rack device
- Commercial facility
- Telecom system
- IT room
- Precision instrument

### SPECIFICATION

Model	AW1KS/L	AW2KS/L	AW3KS/L	RAW1KS/L	RAW2KS/L	RAW3KS/L
Capacity	1000VA	2000VA	3000VA	1000VA	2000VA	3000VA
Box structure	Tower type			Rackmount type		
<b>Input features</b>						
Rated voltage (Vac)	110/115/120/127Vac					
Phase	Single phase					
Frequency (HZ)	40-70HZ					
Power factor	Full load 0.99					
<b>Battery/charger</b>						
Battery voltage (Vdc)	24/36	48/72	72/96	24/36	48/48	48/96
Battery quantity (Pcs)	2*7Ah12V /External	4*7Ah12V / External	6*7Ah12V /External	2*7Ah12V /External	4*7Ah12V / External	4*9Ah12V /External
Recharge time	-5hours /depends on capacity of battery	-5hours /depends on capacity of battery	-5hours /depends on capacity of battery	-5hours /depends on capacity of battery	-5hours /depends on capacity of battery	-5hours /depends on capacity of battery
Charging current Max	1.5A/4A	1.5A/4A	1.5A/4A	1.5A/4A	1.5A/4A	1.5A/4A
Floating voltage (Vdc)	27.3/41.0	54.6/81.8	81.8/109.2	27.3/41.0	54.6/54.6	54.6/109.2
<b>Output features</b>						
Power factor	0.8					
Voltage (Vac)	110/115/120/127Vac					
Frequency(HZ)	50/60±0.05%(phase locked mode)					
Frequency(HZ)	46-54HZ; 57-63HZ(fixed frequency mode)					
Transfer Time (ms)	0					
Inverter	<4ms					
Waveform	Sine Wave, Linear Load THD<2%; Non-linear Load THD<7%					
<b>Others</b>						
Efficiency (AC mode @ full loads)	88 ≥ %	89 ≥ %	≥ 90%	88 ≥ %	89 ≥ %	≥ 90%
Communication function	RS232(USB/SNMP are optional)					
Display	LCD/LED					
Alarm	Battery low-voltage/battery mode/overload/UPS fault					
Working Temperature (°C)	0 ~ 40					
Humidity	5 ~ 97%, No Condensing					
Size(W*H*D) (mm)	145*220*328	190*318*365		438*88*360(2U)		438*88*498/ 438*88*360(2U)
Weight(KG)	8.9/6.1	17.5/10.6	21.6/10.8	13/8.5	18.5/11.5	22/12

**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.



## B1-20K



### 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	B1K S/L	B2K S/L	B3K S/L	B4K S/L	B6K S/L	B10K S/L	B15K	B20K
Capacity	1KVA	2KVA	3KVA	4KVA	6KVA	10KVA	15KVA	20KVA
<b>Input features</b>								
Input voltage (Vac)	165 ~ 275							
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*7Ah 12V/ External	8*7Ah 12V/ External	8/16*7Ah 12V/ External	16*7Ah12V/External			External	
<b>Output features</b>								
Power factor	0.8/0.9							
Voltage(V)	220/230/240±1%							
Frequency(HZ)	50/60±0.5%(Free oscillation)							
Transfer Time (ms)	0							
Waveform	Sine Wave, THD<3%							
Overload Capacity	110%~129% full load keep 10min; 130%~150% load keep 60s;							
<b>Others</b>								
Crest Factor	>3:1							
Parallel function	No		Yes(optional)					
Backup time	Standard time is 10min/ Long backup time can be extended freely							
Charge recovery time	<10hours							
Communication	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%, No Condensing							
Size(D×W×H) (mm)	590*230*717(S)/590*230*540(L)					596*305*1065/890		700*405*955
Weight(KG)	80/50	99/60	107/52	113/58	115/60	160/116	127	195

Note:

"L" is long backup UPS, "S" is standard UPS;

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



## 3B 6-50K



### 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	3B50K
Capacity	6kVA	10kVA	15kVA	20kVA	30kVA	40kVA	50kVA
<b>Input features</b>							
Input voltage (Vac)	380±25%						
Frequency (HZ)	45 ~ 66 Automatically select synchronization range according to grid frequency						
Phase	3φ4W+PE						
Battery voltage (Vdc)	192	192/384				384	
<b>Output features</b>							
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						
<b>Others</b>							
Output ways	Terminal Block						
Parallel function	Yes(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)	596*305*890		700*405*955(20K:192Vdc)/ 740*560*1200			1040*560* 1410	
Weight(KG)	130kg	160kg	200kg	220kg	280kg	340kg	520kg

**Note:**

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



## 3B3 10-120K



### MAIN FEATURE

- IGBT inverter and output isolation transformer
- Manual maintenance bypass switch
- Wide input voltage range
- RS232/RS485/dry contact communication port
- SNMP adapter (optional)
- Fully DSP control, high reliability and performance
- 3 phase UPS allow 100% unbalanced load
- EPO function(optional)
- 7 inches touchable LCD screen(optional)

### APPLICATION

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



### SPECIFICATION

Model	3B310K	3B315K	3B320K	3B330K	3B340K	3B360K	3B380K	3B3100K	3B3120K
Capacity	10kVA	15kVA	20kVA	30kVA	40kVA	60kVA	80kVA	100kVA	120VA
<b>Input features</b>									
Input voltage (Vac)	380±25%								
Frequency (HZ)	40—70Hz Automatically select synchronization range according to grid frequency								
Bypass synchronous range (Hz)	50/60±5%(±10% for optional)								
Phase	3φ4W+PE								
Battery voltage (Vdc)	384								
Battery quantity (Pcs)	30-34 can be set								
<b>Output features</b>									
Power factor	0.8/0.9								
Voltage(Vac)	L - N: 220/230/240±1% L—L: 380/400/415±1%								
100% three-phase load unbalanced voltage stability	≤ 2%, allow 100% unbalanced								
Frequency(HZ)	Mains normal, same as mains frequency; Mains abnormal, 50±0.2%								
Transfer Time (ms)	0								
Efficiency(AC mode @ full loads)	≥ 92%								
Parallel function	Yes(for optional)								
Waveform	Linear Load THD<3%; Non-linear Load THD<5%								
Overload capacity	125% full load keep 10min; 150% full load keep 1min;								
Crest Factor	>3:1								
<b>Others</b>									
Manual maintenance bypass	With no transfer time bypass maintenance switch								
Communication function	RS232 / RS485/dry contact								
SNMP (optional)	Can be network monitored by SNMP adapter								
Noise (dB)	<65(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								
Cooling way	Forced cooling								
Working Temperature (°C)	0 ~ 40								
Humidity	0 ~ 95%, No Condensing								
EMC	GB7260.2								
Size(D×W×H) (mm)	730*380*1320			730*555*1210			740*810*1410		745*1420*1810
Weight(KG)	160	180	220	240	320	440	520	820	940

**Note:**

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



## 3B3GX60-600K



### MAIN FEATURE

- IGBT inverter and output isolation transformer
- Manual maintenance bypass switch
- Wide input voltage range
- RS232/RS485/dry contact communication port
- SNMP adapter (optional)
- Fully DSP control, high reliability and performance
- 3 phase UPS allow 100% unbalanced load
- EPO function(optional)
- 7 inches touchable LCD screen
- 5th & 11th harmonic filter can be added(optional)

### APPLICATION

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



### SPECIFICATION

Model	3B3 GX 60K	3B3 GX 80K	3B3 GX 100K	3B3 GX 120K	3B3 GX 160K	3B3 GX 200K	3B3 GX 250K	3B3 GX 300K	3B3 GX 400K	3B3 GX 500K	3B3 GX 600K
Capacity	60 kVA	80 kVA	100 kVA	120 kVA	160 kVA	200 kVA	250 kVA	300 kVA	400 kVA	500 kVA	600 kVA
<b>Input features</b>											
Pulse rectifier	6 pulse		6/12 pulse (the size of 12 pulse can be optional)						12 pulse		
Voltage range (Vac)	380/400/415±15% (±25% can be adjusted)										
Frequency range (HZ)	40—70Hz Automatically select synchronization range according to grid frequency										
Phase	3φ4W+PE										
Battery voltage (Vdc)	384									480	
Battery quantity (Pcs)	30-34 can be adjusted									38-42 can be adjusted	
<b>Output features</b>											
Power Factor	0.8/0.9										
Voltage(V)	L - N: 220/230/240±1% L—L: 380/400/415±1%										
Frequency(HZ)	Mains normal, track mains frequency; Mains abnormal, 50±0.2%										
Transfer time (ms)	0										
Efficiency(AC mode @ full loads)	≥ 92%										
Parallel function	Yes(optional)										
Waveform	Linear Load THD<3%; Non-linear Load THD<5%										
Overload	125% load keep 10 min, 150% load keep 1min										
Peak Factor	>3:1										
<b>Others</b>											
Manual maintenance bypass	With no transfer time bypass maintenance switch										
Communication function	RS232 / RS485/dry contact										
SNMP (optional)	Can be network monitored by SNMP adapter										
Noise (dB)	<65(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										
Cooling way	Forced cooling										
Working Temperature (°C)	0 ~ 40										
Humidity	0 ~ 95%, No Condensing										
Size(D×W×H) (mm)	800*800*1600(6pulse)/ 1100*800*1800(12 pulse)			1100*800*1800		1405*1113*2005		1605* 1113* 2005		2600*1100*2000	
Weight(T)	0.48	0.56	0.89	1.08	1.28	1.38	1.68	1.98	2.48	2.85	3.15

Note:

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



## Industrial UPS 10-120K



### 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	DL3B10K	DL3B20K	DL3B30K	DL3B40K	DL3B60K	DL3B80K	DL3B100K	DL3B120K
Capacity	10kVA	20kVA	30kVA	40kVA	60kVA	80kVA	100kVA	120kVA
Voltage input (Vac)	Three-phase three-wire+ground wire 380Vac±20%							
Frequency input (HZ)	50Hz±5%							
Rectifying way	6 pulse uncontrolled rectifier				12 pulse controlled rectifier			
Power Factor	0.8(lag)							
Output Voltage (Vac)	220-240Vac							
Waveform	SPWM sine wave							
Frequency tracking range	Range 50Hz±5%							
Output voltage accuracy	±1%							
Frequency output	50Hz±0.5							
Waveform	Linear Load THD<2%; Non-linear Load THD<3.5%							
DC voltage	220Vdc							
Crest Factor	≥ 3: 1							
Current-unbalance under parallel mode	≤ 5%							
Overload	125% load keep 10minutes, 150% load keep 20 seconds							
Dynamic voltage drop range	≤ 3.5%							
Recovery time	≤ 40ms							
Temperature and Humidity	0-40°C /20-95%							
Communication function	RS232/RS485							
Dry contact	Yes							
Protection	Input over-voltage protection, battery under-voltage protection, overload protection, short circuit protection, over temperature protection (optional)							
Size(D×W×H) (mm)	800*800*1800				1100*800*1800			
Weight(KG)	330	450	560	690	950	1200	1500	1850

Note:

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

## Tunnel/Island/Desert UPS 2-40K



### MAIN FEATURE

- IGBT inverter and output isolation transformer
- Online double conversion
- Wide input voltage range
- RS232 communication port
- SNMP adapter, dry contact and RS485(optional)
- Fully DSP control, 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	SDB2K	SDB3K	SDB6K	SDB10K	SDB20K	SD3B310K	SD3B320K	SD3B330K	SD3B340K
Capacity	2KVA	3KVA	6KVA	10KVA	20KVA	10KVA	20KVA	30KVA	40KVA
Input	Voltage	220AC±25%				380VAC±25%			
	Frequency	45-55HZ/55-65HZ							
Output	Voltage	220-240VAC±1%				220-240VAC(phase voltage can be set)			
	Frequency	50±0.05%/60HZ±0.05%							
	Transient response	Full load±5%							
	Crest factor	3:1							
	Efficiency	≥ 85%				≥ 90%			
	Output power factor	0.8							
Battery	DC voltage	192VDC				384VDC			
	Overload	130% full load keep 1 minute; 150% full load keep 10 seconds;							
Protection	IP level	IP55							
	Weight(kg)	58/90	60/99	65/104	58/113	60/115	116	130	150
Dimension(D*W*H)	230*590*750(S)					480*540*860		620*420*1010	



## AB 1-20K (110VAC)



### 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	AB1K S/L	AB2K S/L	AB3K S/L	AB4K S/L	AB6K S/L	AB10K S/L	AB15K	AB20K
Capacity	1KVA	2KVA	3KVA	4KVA	6KVA	10KVA	15KVA	20KVA
<b>Input features</b>								
Rated voltage (Vac)	110/115/120/127(optional)							
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*7Ah 12V/ External	8*7Ah 12V/ External	8/16*7Ah 12V/ External	16*7Ah12V			External	
<b>Output features</b>								
Power factor	0.8/0.9							
Voltage(V)	110/115/120/127(optional)							
Frequency(HZ)	50/60±0.5%(Free oscillation)							
Transfer Time (ms)	0							
Waveform	Sine Wave, THD<3%							
Overload Capacity	110%~129% full load keep 10min; 130%~150% load keep 60s;							
<b>Others</b>								
Crest Factor	>3:1							
Parallel function	No	Yes(for optional)						
Backup time	Standard time is 10min/ Long backup time can be extended freely							
Charge recovery time	<10hours							
Communication	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%, No Condensing							
Size(D×W×H) (mm)	590*230*717(S)/590*230*540(L)					596*305*1065/890		700*405*955
Weight(KG)	80/50	99/60	107/52	113/58	115/60	160/116	127	195

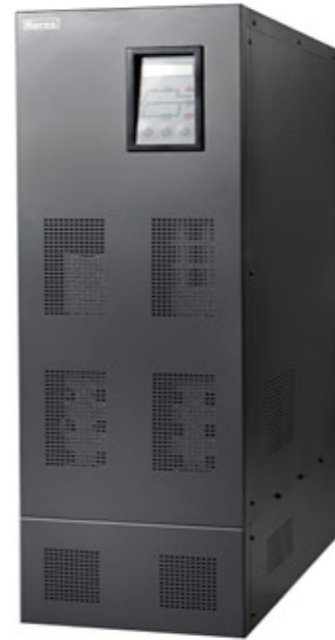
Note:

"L" is long backup UPS, "S" is standard UPS;

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



## A3B 6-20K (208VAC)



### 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 (optional)

### APPLICATION

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

### SPECIFICATION




Model	A3B6K	A3B10K	A3B15K	A3B20K
Capacity	6KVA	10KVA	15KVA	20KVA
<b>Input features</b>				
Input voltage (Vac)	208±25%			
Frequency (HZ)	45 ~ 66 Automatically select synchronization range according to grid frequency			
Phase	3φ4W+PE			
Battery voltage (Vdc)	192			
<b>Output features</b>				
Power factor	0.8/0.9			
Voltage(V)	110/115/120/127(optional)			
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			
<b>Others</b>				
Output ways	Terminal Block			
Parallel function	Yes(for optional)			
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)	596*305*890		650x405x780	
Weight(KG)	140	160	190	200

**Note:**

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



## Line interactive UPS (PWM output)-Plastic case

Model #	N-500	N-600	N-800	N-1000	N-1200	N-1500	N-2000	N-3000
Front Panel								
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	
<b>INPUT</b>								
Input voltage range	110V: 90~132Vac 220V: 175~265Vac	110V: 85~150Vac			220V:145~290Vac		220V: 175~275Vac	
Input frequency range	45-65 Hz							
<b>OUTPUT</b>								
Output voltage	110/120Vac or 220/230/240Vac							
Output voltage range	110V: 90~132Vac 220V: 175~265Vac	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.							
<b>BATTERY</b>								
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 12V7Ah is optional)	4 pcs*12V9Ah
Charging period	4~6 hours recover to 90% capacity							
<b>MANAGEMENT</b>								
RJ45/11 & USB, LCD/LED	Optional							
<b>PHYSICAL</b>								
Unit dimension (mm)	258*101*141	310*97*141		345*146*162			345*122*192	412*145*223
Net weight (1pc, kg)	3.8	4.0	4.3	7.0	7.2	9.0	11.1	20.4

## Line interactive UPS (Sine wave output)

Model #	NSL-1KL(S)	NSL-1.5KL(S)	NSL-2KL(S)	NSL-3KL(S)	NSL-5KL(S)
Front panel					
Capacity	1000VA/800W	1500VA/1200W	2000VA/1600W	3000VA/2400W	5000VA/4000W
Display	LCD				
<b>AC Mode</b>					
Input voltage range	145~275Vac				
Input frequency	45Hz~65Hz				
Output voltage range	200~240Vac				
<b>Inverter Mode</b>					
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				
<b>BATTERY</b>					
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	3-20A adjustable for Long backup type				
<b>MANAGEMENT</b>					
USB & RS232	Optional ( Alternative)				
<b>PHYSICAL</b>					
Unit dimension (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



## NXL Series(Pure Sine Wave Inverter)



Model	NXL-600	NXL-800	NXL-1000	NXL-1200	NXL-1500
Capacity	600VA/500W	800VA/640W	1000VA/800W	1200VA/1000W	1500VA/1200W
<b>INPUT</b>					
Input voltage range	Inverter mode: 80~290Vac±5Vac (Inverter mode)				
	UPS mode: 145~275Vac±5Vac (UPS mode)				
Input Frequency	46-65 Hz				
<b>OUTPUT</b>					
Output voltage range	150~255Vac±5Vac (Inverter mode)				
	203~238Vac±5Vac (UPS mode)				
Output frequency	50±0.1Hz / 60±0.1Hz (Auto Sensing of Mains)				
Wave form	Pure Sine Wave (DC Mode)				
Transfer time	Max. 10ms.				
<b>BATTERY</b>					
QTY & Capacity of Battery	12VDC	12/24VDC		24VDC	
Battery Type	Gel Battery / Sealed Lead-Acid / Open Lead-Acid				
Charging Current	10A/20A (Internal charger can be optional)				
<b>PHYSICAL</b>					
Unit dimension (mm)	290*255*120				
Net weight (1pc, kg)	7.6	9.8	10.8	12.2	13.2

## NEP Series & NEP solar Series - Pure sine wave inverter



Model	NEP-1012	NEP-1024	NEP-2012	NEP-2024	NEP-3024	NEP-4048	NEP-5048	NEP-6048
	NEP+S-1012	NEP+S-1024	NEP+S-2012	NEP+S-2024	NEP+S-3024	NEP+S-4048	NEP+S-5048	NEP+S-6048
Capacity	1000W	1000W	2000W	2000W	3000W	4000W	5000W	6000W
<b>INPUT</b>								
Input voltage range	Inverter mode: 100~290Vac±5Vac							
	UPS mode: 160~275Vac±5Vac							
<b>OUTPUT</b>								
Output voltage range	120~252 ± 5Vac (Inverter mode) , 198~242 ± 5Vac (UPS mode), 230Vac (DC mode)							
Output frequency (DC mode)	50±0.1Hz / 60±0.1Hz (Auto Sensing of Mains)							
Wave form	Pure Sine Wave (DC Mode)							
Transfer time	10ms. (Typical)							
<b>BATTERY</b>								
Rated charging current (max.)	5A/10A/20A/30A/45A/60A							
Norminal DC input voltage	12V	24V	12V	24V	48V			
MPPT	10A/20A/30A/40A/50A/60A							
<b>PHYSICAL</b>								
Unit dimension (mm)	526*277*215 NEP / 526*277*282 NEP Solar							
Net weight (1pc, kg)	20	23.0	27.1	30.8	34.2	40.5		



## Battery for UPS (Lithium battery)



### MAIN FEATURE

- High safety and power density
- Rackmounted and modular design
- RS232/RS485/CAN communication port
- 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

### SPECIFICATION

Model	A4850	A48100
Capacity	48V50Ah	48V100Ah
Electric core	3.2V 50Ah	3.2V 100Ah
Charging voltage max.	56.8V	54.75
Voltage at end of Discharge	44.0V	37.5-42.0V
Standard charge	10A	20A
Standard discharge	10A	20A
Maximum Continuous Charge Current	50A	100A
Maximum Continuous Discharge Current	50A	100A
Monitoring	BMS battery management system	
Operation Temperature Range	Charge : 0~45°C	Charge : 0~45°C
	Charge : -10°C ~ 60°C	Discharge : -20~55°C
Dimension	442*440 *131mm	442*440*261 mm
Weight	22kg	48kg

Note:

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

## Battery for UPS (Lead acid battery)



### 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

### SPECIFICATION

Model	Voltage (V)	Capacity (Ah)	Dimension(mm)		
			L	W	H
NP7-12	12	7	151	65	100
NP9-12	12	9	151	66	100
NP12-12	12	12	151	98	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

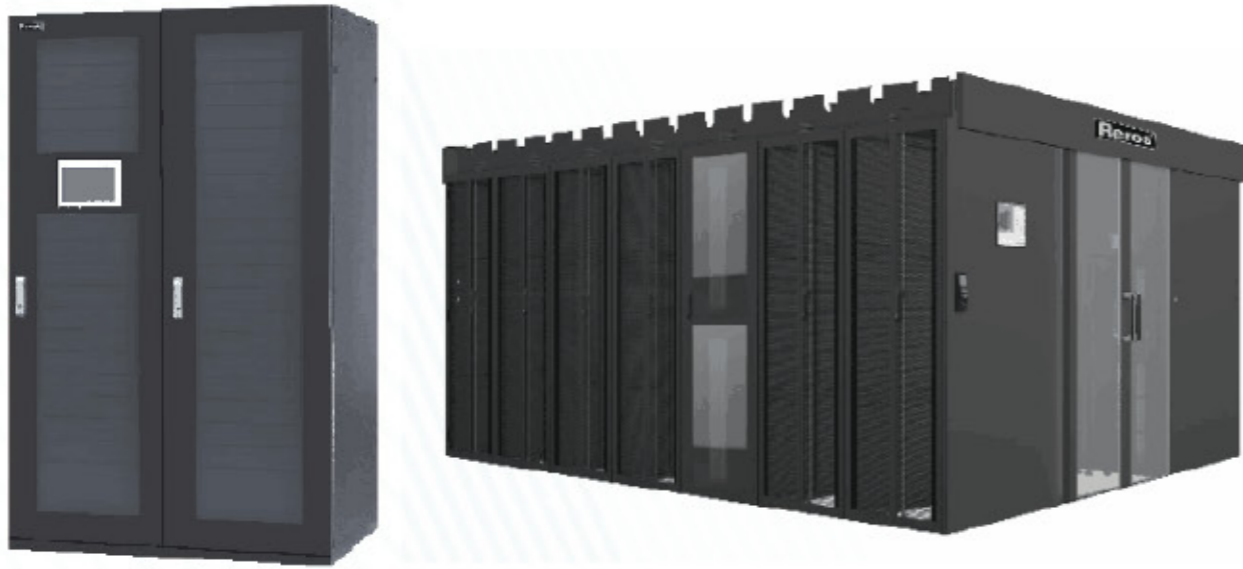
Model	Voltage (V)	Capacity (Ah)	Dimension(mm)		
			L	W	H
NP100-02	2	100	171	72	205
NP200-02	2	200	172	111	328
NP300-02	2	300	171	151	330
NP400-02	2	400	206	175	332
NP500-02	2	500	241	172	331
NP600-02	2	600	301	175	331
NP800-02	2	800	410	175	330
NP1000-02	2	1000	475	175	330
NP1200-02	2	1200	475	175	330
NP1500-02	2	1500	401	351	342
NP2000-02	2	2000	491	350	344
NP3000-02	2	3000	712	350	341

### BATTERY MONITORING SYSTEM

- BM3000 system is a set of on-line automatic battery performance test and monitoring system with high reliability intelligent algorithm, high anti-interference ability, flexible and convenient installation mode, so as to provide safe and reliable battery monitoring management solution.
- Real time monitoring of voltage and current.
- Provide battery abnormal alarm information in the shortest time.
- Save and analyze historical data.
- Graphical display of battery parameters.
- Find out the faulty battery in the shortest time after power failure.



## Integrated Power System for IDC 1-250K



### MAIN FEATURE

• As a new generation of highly integrated small and medium-sized data center solution, the Reros micro module integrated product takes the cabinet as the whole of computer room, fully integrates all subsystems such as UPS power supply, refrigeration, cabinet, lightning protection, fire protection and intelligent monitoring, and forms a computer room environment in the cabinet to meet the safe operation of the equipment, which is conducive to the development of small and medium-sized computer rooms towards standardization. In addition, the series covers a small area and can be quickly arranged in a limited space, providing more than 100 schemes of 3-250kva power supply capacity.

### APPLICATION

- Branch network distribution room
- Bank, securities company, insurance, telecommunications and other computer rooms
- Small and medium sized enterprise room
- Central control room of energy and chemical industry
- High way and rail transit computer room
- Small sized substation and power plant computer room

### SPECIFICATION

Model	capacity	Application place	Cabinet quantity	Power supply	refrigeration	monitor
Single row cabinet	≤ 20KVA	Network access, branches, and small data center	1-6	Yes	Yes	Yes
Double row cabinet	≤ 250KVA	Small and medium-sized data center, construction of medium and large data centers by stages	6-30	Yes	Yes	Yes

Management system	IT
ATS module(optional)	
Intelligent power distribution module	
3KVA UPS	
Reserved space 20-25U	
4KW air conditioner	

System	Single row cabinet
IT cabinet quantity	1 pcs
Single cabinet power	2-3KW
Power distribution	Integrated distribution
UPS capacity	3KVA
Air conditioner	4KW
Monitoring	1 set
Dimension(w*d*h)	600*1200/1400*2000
Total cabinet	1 pcs

Management system	IT	IT
ATS module(optional)		
Intelligent power distribution module		
6KVA UPS		
Reserved space 20-42U		
7.5KW air conditioner		

System	Single row cabinet
IT cabinet quantity	2 pcs
Single cabinet power	3KW
Power distribution	Integrated distribution
UPS capacity	6KVA
Battery pack	1-3 pcs
Air conditioner	7.5KW
Monitoring	1 set
Dimension(w*d*h)	1200*1200/1400*2000
Total cabinet	2 pcs

Management system	IT	IT	IT
ATS module(optional)			
Intelligent power distribution module			
6KVA UPS			
Reserved space 20U+2*42U			
12.5KW air conditioner			

System	Single row cabinet
IT cabinet quantity	3 pcs
Single cabinet power	4KW
Power distribution	Integrated distribution
UPS capacity	10KVA
Battery pack	1-3 pcs
Air conditioner	7.5KW
Monitoring	1 set
Dimension(w*d*h)	1800*1200/1400*2000
Total cabinet	3 pcs

Management system	IT	IT	IT	IT
ATS module(optional)				
Mains power distribution module				
2*20KVA UPS				
Reserved space 20U+2*42U				
2*12.5KW air conditioner				

System	Single row cabinet
IT cabinet quantity	5-6 pcs
Single cabinet power	4KW
Power distribution	Integrated distribution
UPS capacity	20KVA*2
Battery pack	1-2 pcs
Air conditioner	12.5KW*2
Monitoring	1 set
Dimension(w*d*h)	3600-4800*1200/1400*2000
Total cabinet	6-8 pcs



## Precision Air Conditioner 7.5-100KW



### FEATURES

- Indoor and outdoor units with air conditioning function
- Galvanized sheet metal structure and powder coating panel, soundproof panel
- Compressors and other accessories use world-renowned brands
- Standard G4 filter configuration, F5-F8 can be optional, comply with CEN-EN, filter efficiency is as high as 90.1%
- Power distribution box, comply with IEC 204-1/EN60204-1

### APPLICATION

- 3g/4g/5g base station;
- Small and medium-sized database
- Center substation, substation between equipments
- Small and medium-sized warehouse, laboratory (according to the specific requirements for customization)

### SPECIFICATION

Model	RCU/S					RCU/S			
	0075	0125	0168	0200	0250	0305	0351	0405	0452
Power(V/Ph/Hz)	380/3N/50								
Total cooling capacity (kW)	8	13	17.2	20	25	30.5	35.1	40.5	45.2
Sensible cooling capacity (kW)	7.4	11.7	15.9	18.1	22.5	30	33.5	39.7	44
SHR	0.92	0.90	0.92	0.91	0.90	0.98	0.95	0.98	0.97
Quantity of compressor	1	1	1	1	1	1	1	1	1
Input power (kW)	1.87	3	3.69	4.2	4.91	6.01	6.3	7.66	8.64
AC fan power (kW)	0.30	0.46	0.84	0.84	1.50	2.07	2.26	3.30	3.45
EC fan power (kW)	No	No	No	No	No	1.60	1.90	2.35	3.59
Noise dB(A)	52	53	56	56	57	65	67	62	65
Humidifying capacity kg/h	3	3	5	5	5	5	5	5	5
Heater power (kW)	2.25	2.25	3.75	3.75	3.75	3.75	3.75	3.75	3.75

Model	RCU/D								
	0356	0464	0501	0564	0635	0717	0802	0922	1010
Power(V/Ph/Hz)	380/3N/50								
Total cooling capacity (kW)	35.6	48.5	50.1	56.4	63.5	71.7	80.2	92.2	101.0
Sensible cooling capacity (kW)	35.3	43.5	48.5	53.2	62.0	70.5	78.0	90.5	98.7
SHR	0.99	0.90	0.97	0.94	0.98	0.98	0.98	0.98	0.98
Quantity of compressor	2	2	2	2	2	2	2	2	2
Input power (kW)	7.27	9.62	10.5	12	12	13.9	15.9	17.9	21.9
AC fan power (kW)	2.39	3.45	3.45	3.82	4.74	5.17	5.72	6.79	6.79
EC fan power (kW)	2.14	3.62	3.76	3.26	4.07	4.41	4.99	6.2	6.73
Noise dB(A)	60	65	65	65	56	57	59	64	65
Humidifying capacity kg/h	5	5	5	5	8	8	8	8	8
Heater power (kW)	3.75	3.75	3.75	3.75	6	6	6	6	6

## AVR 10-3000KVA



### MAIN FEATURE

- High efficiency
- No waveform distortion
- Wide input voltage range
- Strong overload capability
- High reliability and performance

### APPLICATION

- Transportation
- Medium-sized industrial
- Railway station
- Telecommunication

### SPECIFICATION

Model	DBW10KVA-100KVA(Single phase)	SBW20KVA-1000KVA(Three phase four wires)
Input voltage range	176V-264Vac	304V-456Vac(256-456Vac can be customized)
Output voltage	220V±2.5%	380±2.5%
Voltage regulation accuracy	±2.5%	
Insulation resistance	≥ 2MΩ	
Withstand voltage	2000V no breakdown or flashover within 1 minute	1500V no breakdown or flashover within 1 minute
Frequency	50/60HZ	
Response time	≤ 1.6S(when the input voltage changes 10%)	
Efficiency	≥ 98%	
Protection	Over volt、lack of phase、filtering、phase sequence protection , etc	
Mains function	Three phase mains、convenient volt regulation switch	
Working way	Long term and continuous working without person	
Start	Automatic or manual start for optional	
MSZW series		
Model	MSZW-S10K-3000KVA(Three phase four wires)	
Input voltage range	±15%/±20%/±30%	
Output voltage	380/400/415	
Voltage regulation accuracy	±1%/±3%/±5%	
Insulation level	F	
Withstand voltage	2000V no breakdown or flashover within 1 minute	
Frequency	50/60HZ	
Response time	≤ 10MS	
Efficiency	≥ 98%	
Waveform distortion	No additional waveform distortion	
Display	LCD	
Protection	Over volt、lack of phase、short circuit、phase sequence protection , etc	
Instantaneous overload capacity	2 times rated current	
Working way	Long term and continuous working without person	
Cooling way	Forced cooling	



## EPS 0.5-800KW



### 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

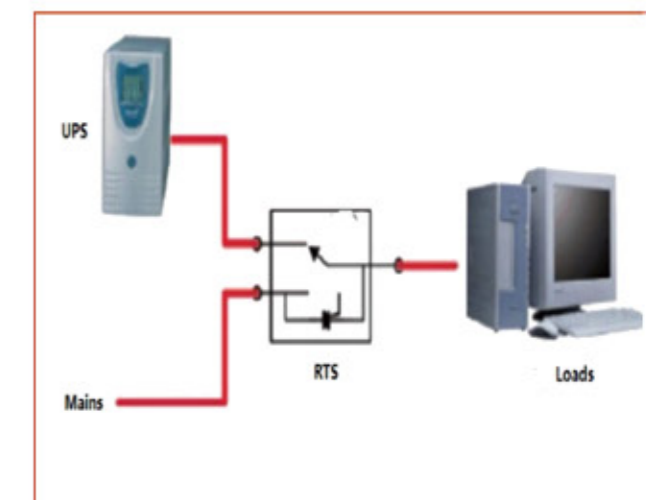
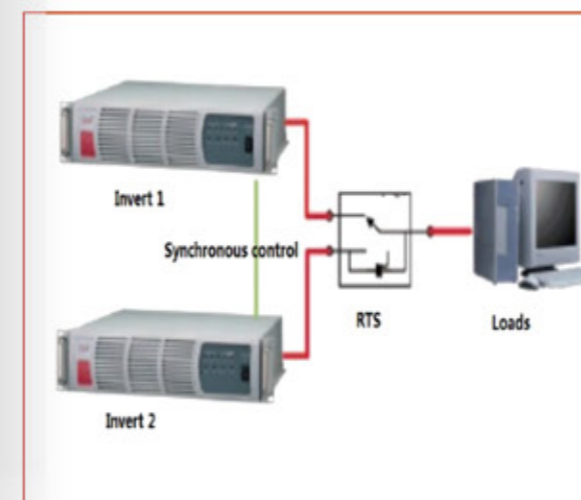
### APPLICATION

- Traffic system
- Industrial equipment
- Steel factory
- Fire fighting equipment

### SPECIFICATION

Model	YJ series	YJS series
Capacity range	0.5KW-10KW	2.2KW-800KW
Input voltage	three phase 380V/single phase 220V ±25%	380±20%
Input Phase	three phase four wires/single phase two wires	three phase four wires + Ground
Input frequency	50HZ±5%	50HZ±5%
Output voltage	220±5%	380V/220V±5%
Output waveform	sinewave, distortion ≤ 3%	sinewave, distortion ≤ 3%
Output frequency	50HZ±5%(emergency response time)	50HZ±5%(emergency response time)
Transfer time	<0.2s	<100ms
Waveform	sine wave(emergency response time)	sine wave(emergency response time)
	same as the mains at normal times	same as the mains at normal times
Emergency supply time	90 minutes(for optional)	60/90/120 minutes(for optional)
Overload capacity	working normal with 120% load	
Protection	battery over charging and discharging,output under voltage,over current,short circuit and over temperature protection	battery over charging and discharging,output under voltage,over current,short circuit,lack of phase and over temperature protection
Display	LCD	
Noise	no noise in mains mode,<55dB in emergency supply time	no noise in mains mode,<60dB in emergency supply time
Relative humidity	0-90%,no condensing	0-90%,no condensing
Temperature	-24℃ -40℃	-24℃ -40℃
altitude	under 2000m	

## ATS 10-32A



### MAIN FEATURE

- Dual input power distribution unit
- Rackmounted for server
- High durable and reliable
- Flexible rear panel for optional

### APPLICATION

- Hospital
- IT room
- Network company
- Financial center building

### SPECIFICATION

Model		RTS-10	RTS-16	RTS-32
Input features	Rated voltage(Vac)	220±25%		
	Frequency range(HZ)	50/60±5%		
Output features	Capacity(Va)	2000	3000	6000
	Rated voltage(Vac)	220±25%		
	Transfer time(ms)	≤ 4		
	Output type	Two input socket,output(two socket+terminal block)		Terminal block
Other features	Alarming function	Dual mains power input abnormal alarming , output abnormal alarming		
	Panel display	LED indicator: Dual input , output status display		
	Temperature(℃ )	0-40		
	Relative humidity	0-90%(No condensing)		
	Dimension(W*D*H)(mm)	430*465*1U		430*465*2U
	Weight(kg)	5	7	



## 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
- 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

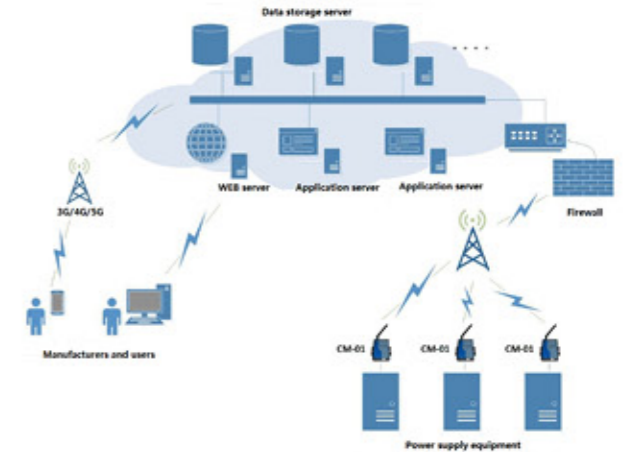
- This system includes the external SNMP Adapter, inside SNMP Card and SNMP view
- Management software.
- Display and record the working information of UPS
- Display UPS fault information
- Turning on (off) the UPS remotely
- Sending E-mail automatically

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

## Monitoring System

### CLOUD MONITORING

- Data acquisition terminal:  
Collect all kinds of operation parameters in power equipment and send them to cloud platform in wireless form
- Cloud platform processing:  
Compare the received data and give an alarm immediately in case of any alarm
- Client side:  
Log in to the system through mobile phone or computer, check the running status of the device in real time, and accept real-time alarm information through mobile app, SMS, email and other forms



### POWER & ENVIRONMENT SUPERVISION

- In order to achieve the real-time monitoring of network power and environment, guarantee the normal operation of the network, Reros power is combined with many years of experience in banking terminal equipment research and development, launch WIPS centralized monitoring management system, can realize monitoring of the center machine room, and many branches in 7 \* 24 hour.



UPS Device control



Login screen

