

3RWG 90-1200K



3RWG(90-450K)



3RWG(200-1200K)

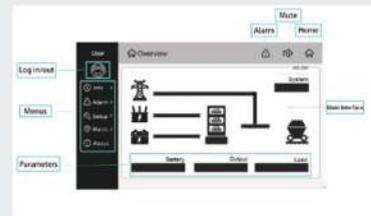
---Modular Design

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 $\geq 94\%$. And the output power factor is up to 1.0.

---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.

---Hot Swap for power modular and battery

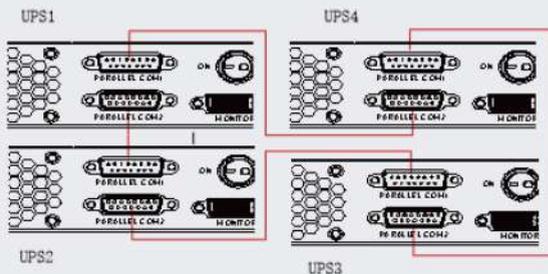
The number of battery cells can be configured flexibly, so the original batteries can be used when modifying the legacy system; moreover, Power modular can be replaced in time when it fails without interrupting the normal operation of UPS.

---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.

---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.



---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									
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WorkingEnvironment Temperature	-5°C~40°C									
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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

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