

XR+ Nuova Series

High Frequency Online UPS

10-800kVA

3-phasein/3-phaseout
(380V/400V/415V)

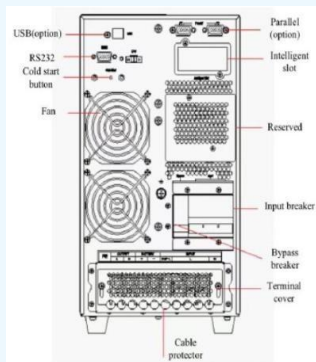
Product

XR+ series 10-800kVA UPS adopts online double conversion technology, which can completely eliminate all kinds of grid problems and provide customers with stable and pure sinusoidal power supply protection. Advanced design makes these products have unparalleled reliability and high performance, IGBT based Input Rectifier & IGBT Based Output Inverter . The high input power factor and low input current harmonics ensure the UPS green and environment protection, and high efficiency ensures the energy saving.

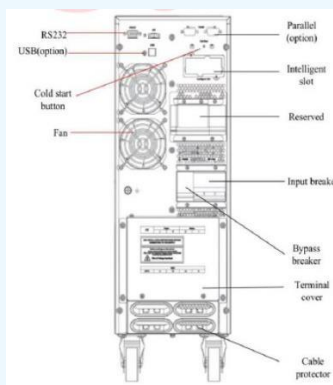
Application

Small and medium-sized data centers, IT machine rooms, financial institutions, traffic dispatch centers, security monitoring, etc.

Rear panel



10-40kVA UPS with battery space



10-40kVA UPS without battery space

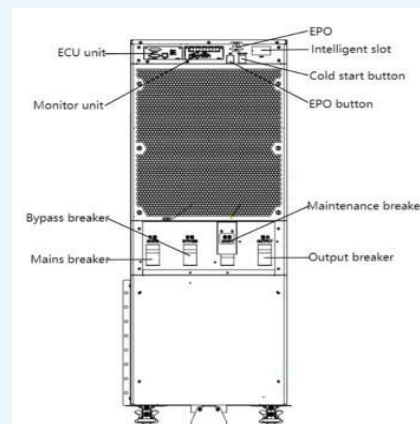


Type
Approved



Features

1. Online double conversion and three level technology
2. DSP digital control technology
3. Wide input voltage range adapt to harsh power grid
4. Output power factor 0.9
5. Cold start (battery start up)
6. ECO mode operation
7. Intelligent battery management
8. N+X redundancy
9. Communications: RS485/Relay card/USB/SNMP option
10. Optional emergency power off (EPO) function
11. The number of battery cells is 30-50 adjustable
12. Color touch screen, graphic display, easy to operate
13. Intelligent battery management extend battery life



100 kVA UPS back view

Model	XR+33010S	XR+33015S	XR+33020S	XR+33030S	XR+33040S
	XR+33010L	XR+33015L	XR+33020L	XR+33030L	XR+33040L
Capacity	10kVA	15kVA	20kVA	30kVA	40kVA
Input					
Phase	3 Phase+Neutral+Ground				
Rated Voltage	380/400/415Vac				
Voltage Range	208-478Vac				
Frequency Range	40-70Hz				
Power Factor	≥0.99				
THDi	≤3% (100% linear load)				
Bypass					
Voltage Range	Upper limit: 380V+25% (+10%, +15%, +20%, settable); 400V+20% (+10%, +15%, settable) 415V+15% (+10%, settable); Lower limit: -45% (-10%, -20%, -30%, settable)				
Frequency Range	50/60Hz±10%				
Output					
Phase	3 Phase+Neutral+Ground				
Rated Voltage	380/400/415Vac				
Power Factor	1				
Voltage Regulation	±1%				
Output Frequency	Normal Mode: ±1%/±2%/±4%/±5%/±10%, settable; Battery Mode: 50/60Hz±0.1%				
Crest Factor	3:1				
THDu	≤2% (linear load); ≤4% (non-linear load)				
Overload	> 150%, transfer to bypass				
Battery					
Rated Voltage	Default ±240VDC (±180Vdc–±300Vdc optional)				
Quantity Standard unit	Max 40pcs 12V/7Ah or 9Ah				
Quantity Long time unit	30-50pcs optional, external				
Charging Current Standard unit	1A				
Charging Current Long time unit	1-5A, settable		1-10A, settable		
System					
Efficiency	≥95%				
Display	4.3-inch color touch screen				
IP Class	IP20				
Interface	RS485, USB, CAN, LBS, Parallel card (optional), Relay card (optional), SNMP card (optional)				
Temperature	Operation: 0-40°C; Storage: -25-55°C				
Humidity	0-95% (non-condensing)				
Altitude	< 1500m, within 1500-4000m, power derates 1% every 100m rise				
Noise	< 58dB				
Applicable Standard	Safety: IEC/EN 62040-1; EMC: IEC/EN 62040-2; Performance: IEC/EN 62040-3				
Physical					
Weight Standard unit (kgs)	39.5	39.5	39.5	41	46
Weight Long time unit (kgs)	33.5	33.5	33.5	35	40
Dimension S W*D*H (mm)	280*790*720				
Dimension L W*D*H (mm)	250*720*535				

Model	XR+33060L	XR+33080L	XR+33100L	XR+33120L	XR+33160L	XR+33200L
Capacity	60kVA	80kVA	100kVA	120kVA	160kVA	200kVA
Input						
Phase	3 Phase+Neutral+Ground					
Rated Voltage	380/400/415Vac					
Voltage Range	208-478Vac					
Frequency Range	40-70Hz					
Power Factor	≥0.99					
THDi	≤3% (100% linear load)					
Bypass						
Voltage Range	Upper limit: 380V+25% (+10%, +15%, +20%, settable); 400V+20% (+10%, +15%, settable); 415V+15% (+10%, settable); Lower limit: -45% (-10%, -20%, -30%, settable)					
Frequency Range	50/60Hz±10%					
Output						
Phase	3 Phase+Neutral+Ground					
Rated Voltage	380/400/415Vac					
Power Factor	0.9	1		0.9		1
Voltage Regulation	±1%					
Output Frequency	Normal Mode: ±1%/±2%/±4%/±5%/±10%, settable; Battery Mode: 50/60Hz±0.1%					
Crest Factor	3:1					
THDu	≤2% with linear load; ≤4% with non-linear load					
Overload	> 150%, transfer to bypass					
Battery						
Rated Voltage	Default ±240VDC (±180Vdc–±300Vdc optional)					
Charging Current	1-15A	1-20A	1-30A	1-45A	1-60A	
System						
Efficiency	≥95%					
Display	4.3–inch color touch screen					7-inch color touch screen
IP Class	IP20					
Interface	RS485, USB, CAN, LBS(optional), Parallel card(optional), Relay card(optional), SNMP card (optional)					
Temperature	Operation: 0-40℃; Storage: -25-55℃					
Humidity	0-95% (non-condensing)					
Altitude	< 1500m, within 1500-4000m, power derates 1% every 100m rise					
Noise	< 65dB					
Applicable Standard	Safety: IEC/EN 62040-1; EMC: IEC/EN 62040-2; Performance: IEC/EN 62040-3					
Physical						
Weight	70.5	153	160	196	310	
Dimension W*D*H(mm)	250*868*862	440*885*1200				600*850*1550

All specifications are subject to change without prior notice.

Model	XR+33250L	XR+33300L	XR+33400L	XR+33500L	XR+33600L	XR+33800L
Capacity	250kVA	300kVA	4000kVA	500kVA	600kVA	800kVA
Input						
Phase	3 Phase + Neutral I+ Ground					
Rated Voltage	380/400/415Vac					
Voltage Range	138-485Vac					
Frequency Range	40-70Hz					
Power Factor	≥0.99					
THDi	≤3% (linear load)					
Bypass						
Voltage Range	Max. voltage: 220V:+25 %(optional +10%, +15%, +20%); 230V:+20 % (optional +10%, +15%); 240V:+15 %(optional +10%); Min. voltage: -45 % (optional -10%, -20%, -30%)					
Frequency Range	50/60Hz±10%					
Generator Access	Yes					
Output						
Phase	3 Phase+Neutral+Ground					
Rated Voltage	380/400/415Vac					
Power Factor	1					
Voltage Regulation	±1%					
Output Frequency	Normal Mode: ±1%/±2%/±4%/±5%/±10%, settable; Battery Mode: 50/60Hz±0.1%					
Crest Factor	3:1					
THDu	≤2% with linear load; ≤4% with non-linear load					
Overload	≤ 110%, to bypass after 60min; ≤ 125%, to bypass after 10min; ≤ 150%, to bypass after 1min> 150%, transfer to bypass					
Battery						
Rated Voltage	±180V/192V/±204V/±216V/±228V/±240/±252/±264/±276/±288/±300Vdc (30/32/34/36/38/40/42/44/46/48/50pcs optional)					
System						
Efficiency	≥95%					
Alarm	overload, utility abnormal, UPS fault, battery low, etc					
Protection	short circuit, overload, over temperature, battery low, fan fault alarm					
Display	7-inch color touch screen					
IP Class	IP20					
Interface	CAN, RS485, FE, LBS, Parallel card, Relay card, SNMP card (optional), temperature sensor (optional)					
Temperature	Operation: 0-40℃; Storage: -25-55℃					
Humidity	0-95% (non-condensing)					
Altitude	< 1500m, within 1500-4000m, power derates 1% every 100m rise					
Noise	< 65dB					
Applicable Standard	Safety: IEC/EN 62040-1; EMC: IEC/EN 62040-2; Performance: IEC/EN 62040-3					
Physical						
Weight	400	400	638	740	843	1420
Dimension W*D*H(mm)	850*600*2000			850*1200*2000		850*2400*2000

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