

# Online UPS

3:3 Phase

Modularization design ranking from 15kva to 120kva, N+X parallel, digital control, 19 inch standard cabinet, multi-function, a new generation three phase UPS.



## NST8 series

60K/120K  
3:3 Phase

### Application:

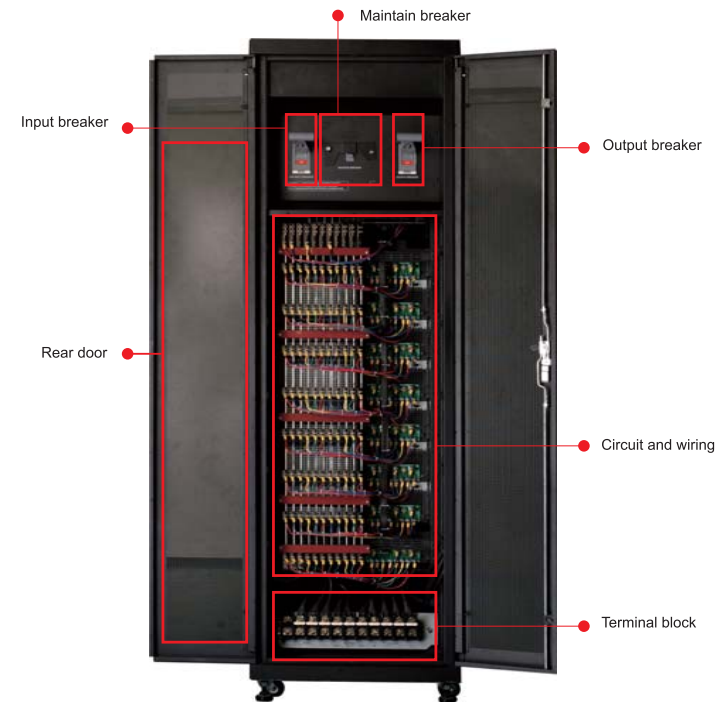
Internet data center, telecom ,  
IT equipments and other mission-critical applications



### Features:

- 1.Three phases in/three phases out
- 2.Digital control
- 3.19 inches standard cabinet
- 4.Modularization design (each module is 15KVA)
- 5.Max power density in UPS Field
- 6.N+X parallel redundancy
- 7.Flexibility of parallel redundancy setting
- 8.Parallel redundancy function of control systems
- 9.Optimization Topology of power supply systems
- 10.Sharing battery in parallel mode
- 11.Free setting of charge current
- 12.Intelligent charge mode
- 13.5 inch LCD wide screen (with touching screen)
- 14.Remote monitoring LCD (Optional)
- 15.Intelligent monitoring function
- 16.Small and medium-sized distribution system
- 17.Maintenance bypass
- 18.Least overhaul time
- 19.Multi-purpose UPS
- 20.EPO function

## Real Panel



The block make wiring layout tidy,  
good-looking, suitable  
for varieties of distribution environment.

# Front Panel

## Modularization



## 15KVA module

With each 15KVA, from 1 to 8 modules parallel, max output current 250A, online insert and drawing, zero examining time.



## Control Panel



5 inch LCD

1. Normal
2. Battery
3. Bypass
4. Fault
5. EPO
6. ESC button
7. Function button

Multi languages, with plentiful UPS information, can be operated to touch screen and distant monitoring.

Model	NST8 60k/120k	
	Capacity	15-60KVA / 12-48KW    15-120KVA/12-96KW
Utility Input	Connection	3Φ4W + G(3 phases 4 wires + ground)
	Voltage Range	(204-520)VAC (3 phase / line voltage)
	Frequency Range	40-70Hz
	Power Factor	≥0.99
	THDi	±5%
Bypass Input	Voltage Range	380 × (1±15%) VAC
	Frequency Range	46.5-53.5Hz
Output	Connection	3Φ4W + G
	Voltage	380 × (1±2%) VAC
	Power Factor	0.8
	Frequency	Synchronized with the input (utility mode), when utility frequency exceeds ±8%, output frequency 50× (1 ± 0.5%) Hz.
	THD	50(1±0.5%)Hz(Battery mode) ≤2% (100% linear load) ≤5% (EN50091-3/IEC62040-3 defined computerload)
	Overload capacity	110% < load ≤ 130% for 10 mins, turn to bypass; 130% < load ≤ 150% for 1min, turn to bypass; load > 150% for 0.5sec, turn to bypass 110% < load ≤ 130%, turn off 10 mins later; 130% < load ≤ 150%, turn off 1min later; load > 150%, turn off 0.5sec later
	Efficiency (Full load)	≥91% (Utility Mode) ≥90% (Battery Mode)
	Transfer Time	0 ms
	Nominal external battery voltage	± 240VDC (each group has 40PCS batteries in series connection, draw out a neutral wire from the middle)
	Power of Single module	15KVA/12KW
Output power	15KVA × number of module/12KW × number of module	
Connect to generator	yes	
Communication Interface	RS232, RS485, Intelligent Slot (intelligent slot)	
Noise Level	<60dB	
Environment	Temperature	0℃~40℃
	Altitude	<1500m
	Humidity	0~93%
	Storage temperature	-25℃~55℃
Weight (NET)Kg	RP series UPS module	31 (Single module)
	UPS cabinet (60KVA)	172
	UPS cabinet (120KVA)	250
Dimension (W×D×H)mm	RP series UPS module	493×709×132
	UPS cabinet (60KVA)	600×1022×1600
	UPS cabinet (120KVA)	600×1022×2100
Safety and EMC standard		
Safety	EN62040-1-1	
ESD	IEC 61000-4-2 Level 3	
Sensitivity of electricity and magnetism	IEC 61000-4-3 Level 3	
Voltage transient Compatibility	IEC 61000-4-4 Level 3	
Surge disturbance	IEC 61000-4-5 Level 4	
EMI	EN62040-2 (>25A) class A	