



AC Switching Cabinet

NEXUS ZERO



Intelligent Operation

- Seamless switching between grid and off-grid
- Integrated EMS for intelligent monitoring and rapid response
- Supports a maximum switching power of up to 1.25MW



Safer and Reliable

- Load-friendly design, protects equipment from unstable grid damage
- Supports Type II surge protection
- Supports water ingress alerts, over-temperature warnings, and door lock status feedback



Environmental Adaptability

- IP55 protection rating, suitable for both indoor and outdoor use
- Supports operation in environments ranging from -30°C to 55°C
- Reliable operation at 3000 meters without derating



Versatile Applications

- Supports connection to diesel generators to ensure stable energy supply
- Intelligent operation, supports multiple operation modes
- Supports building on-grid/off-grid, solar-storage microgrid, and solar-storage-diesel microgrid solutions

Nexus Zero

SYSTEM PARAMETERS					
Model	NZ-125	NZ-250	NZ-500	NZ-750	NZ-1250
Rated AC voltage	3 / N / PE, 230 / 400 V 3 / N / PE, 220 / 380 V				
Rated AC frequency	50 Hz / 60 Hz				
Rated AC current@230V	181.2 A	362.3 A	724.6 A	1087 A	1811.6 A
Max. AC current@230V	199.3 A	398.6 A	797.1 A	1195.7 A	1992.8 A
Rated AC current@220V	189.4 A	378.8 A	757.6 A	1136 A	1893.9 A
Max. AC current@220V	208.3 A	416.7 A	833.3 A	1250 A	2083.3 A
Max. AC power	137.5 kVA	275 kVA	550 kVA	825 kVA	1375 kVA
Transfer between on/off grid	Seamless Switching				
Power limit (grid)	Yes				
Grid breaker	250 A	500 A	1000 A	1600 A	2500 A
Load breaker	250 A	500 A	1000 A	1600 A	2500 A
Bypass breaker	250 A	500 A	1000 A	1600 A	2500 A
Ingress protection	IP55				
SPD	Type II				
Operating temperature	-30 to +55 °C				
Altitude	3000 m				
Dimension (W x H x D)	900 x 1450 x 600 mm	900 x 1450 x 600 mm	1200 x 2300 x 800 mm	1200 x 2300 x 800 mm	1900 x 2300 x 1200 mm
Weight (kg)	213 kg	220 kg	600 kg	650 kg	1250 kg
Rated short circuit current	10 kA	10 kA	20 kA	40 kA	50 kA
Certificates and approvals	EN/IEC61439-1, EN/IEC61439-2, IEC 61000, IEC 60730				

Block Diagram

