

AC Switching Cabinet

NEXUS ZERO

Intelligent Operation

- Seamless switching between grid and off-grid
- EMS 1000 PRO Inside: Seamlessly integrated, intelligent management of PV, ESS, and loads for optimal energy performance
- 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
- C5-M corrosion protection standards for reliable performance in the harshest environments

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

solaxpower
www.solaxpower.com
info@solaxpower.com
+86 571-56260008

V1.1. Information may be subject to modify without notice. 650.00114.00

SYSTEM PARAMETERS					
Model	ZERO-125	ZERO-250	ZERO-500	ZERO-750	ZERO-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
Rated AC current@220V	189.4 A	378.8 A	757.6 A	1136 A	1893.9 A
Disruption time of backup switch①	0 ms				
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 × H × D)	900 x 1600 x 800 mm	900 x 1600 x 800 mm	1200 x 2300 x 800 mm	1200 x 2300 x 800 mm	1900 x 2300 x 1200 mm
Weight (kg)	300 kg	330 kg	660 kg	730 kg	1500 kg
Rated short circuit current	10 kA	15 kA	30 kA	40 kA	60 kA
Certificates and approvals	EN/IEC61439-1, EN/IEC61439-2,IEC 61000,IEC 60730				

①Test conditions: In the open-circuit state of the power grid, the total rated power of all Power Conversion Systems (PCS) is higher than the total power of the backup loads.

Preliminary

Block Diagram

