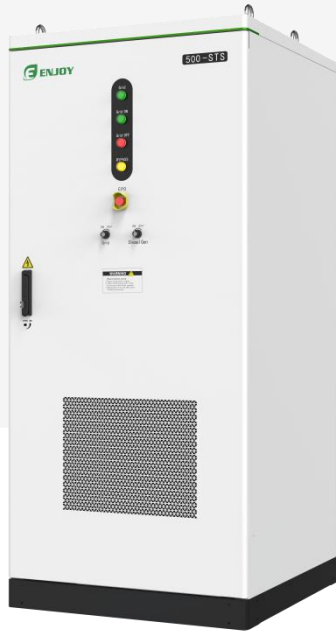


ESTS500-S Static Transfer Switch Cabinet



Key Features

Automatic transfer

- Automatic grid switching and synchronization
- Compatible with VSG grid-forming switching and seamless conversion with all types of diesel generators.

Convenient power distribution

- Built-in UPS to ensure auxiliary power supply
- Optional PV and diesel generator connection ports for flexible configuration.

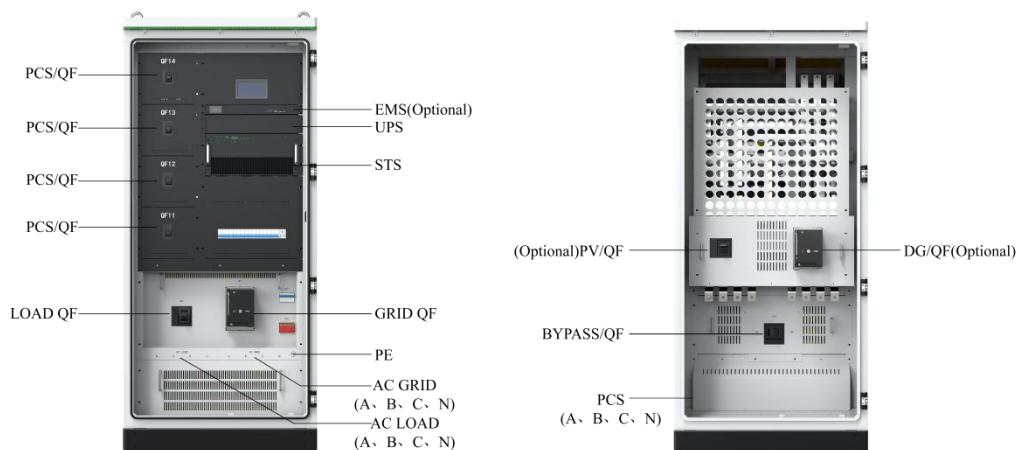
Fast switching

- Active switching cycle: 0 ms
- Passive switching cycle: less than 20 ms

Built-in optional EMS system

- Intelligent collaborative scheduling for optimal power distribution in Solar-Storage-DG systems.
- Access of various BMS systems

Internal Structure



Technical Parameters

Specification	ESTS500-S
Grid-side parameters	
Grid voltage	400V, 3W+N+PE (±15%)
Rated AC power	500kW
Rated AC current	720A
Rated grid frequency	50/60 Hz±2.5 Hz
Required THDU	<10%
Parameters of load interface	
Grid voltage	400V, 3W+N+PE
Rated AC power	500kW
Rated AC current	720A
Rated grid frequency	50/60 Hz±2.5 Hz
Parameters of PCS interface	
Grid voltage	400V, 3W+N+PE
Rated AC power	500kW (125kW*4ports)
Rated AC current	720A
Rated grid frequency	50/60 Hz±2.5 Hz
Required THDU	<10%
Parameters of Optional Diesel Generator and PV Connection Ports	
Rated AC power	500kW (diesel input) / 500kW (PV input)
Rated AC current	720A (diesel input) / 720A (PV input)
System parameters	
Bypass function	Standard configuration
Switching cycle	<20 ms
Overload capacity	1.1x @ 1min
UPS power supply	1kVA/220VAC
Isolation mode	Non-isolated
Dimensions (W * H * D)	900*2000*1000mm
Weight	500 kg
Communication interface	RS485
Operating temperature	-25°C ~ 55°C
Altitude	4,000 m (> 2,000 m derated use)
Heat dissipation method	Intelligent air-cooling
Design life	20
IP grade	IP54

* Product parameters and specifications are updated irregularly without prior notice.

System Topology Reference Diagram

