

STS Cabinet

Z BOX-STS 250/500/800



Z BOX-STS 250/500/800 is a seamless on/off-grid switching cabinet designed for the 125kW rated power Toteco all-in-one ESS cabinet within 20ms switching time. It enables on/off-grid switching for single or multiple parallel-connected application. Equipped with reserved ports for critical loads connection, allowing for the normal operation of loads in grid outage condition.



Intelligent Collaboration

Seamless on/off-grid switching within 20ms



High Integration

Integrate STS, UPS, meter, breakers, ATS(optional) & other accessories in one system, compact & easy transportation



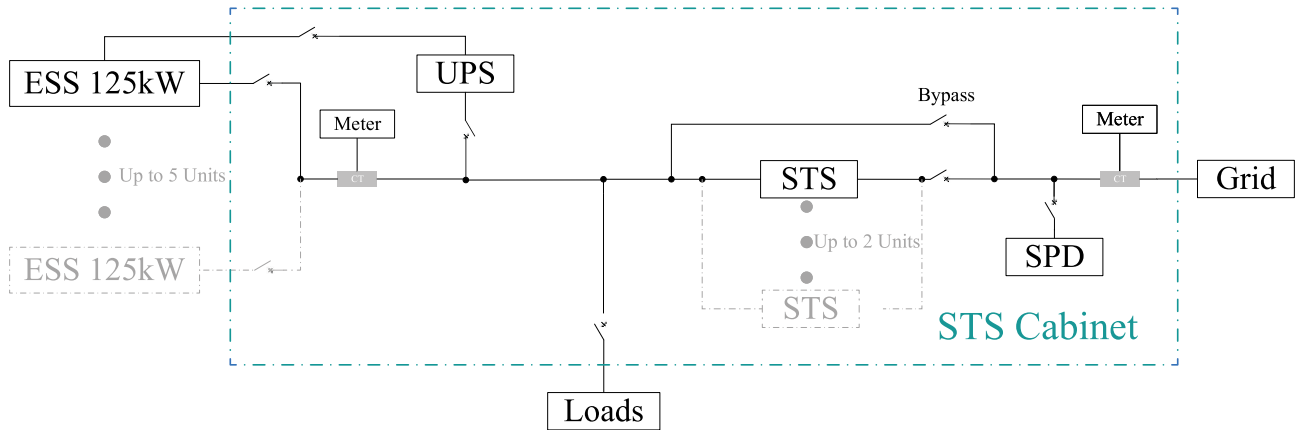
Reliable

Leading brands selection of all equipments, safe and reliable



Electrical Safety

Backup design and assurance of critical loads without Interruption



Parameters

ESS Side Parameters	Z BOX-ST5 250	Z BOX-ST5 500	Z BOX-ST5 800
Max. No. of ESS Connection	1 unit	3 units	5 units
Max. ESS Current	1*200A	3*200A	5*200A
Rated ESS Power	1*125kW	3*125kW	5*125kW
Grid Side Parameters			
No. of Grid Connection Port	1		
Max. Grid Current	200A	600A	1000A
Grid Voltage Range	400V±15%		
Grid Type	3W+N+PE		
Rated Frequency	50/60Hz		
On/off- Grid Switchin Time	20ms		
Auxiliary Equipments Parameters			
UPS	Standard		
Maintenance Socket	Standard, 16A		
Surge Protection	AC Type II		
Meter Accuracy	0.5S		
General Parameters			
Max. Grid Current	200A	600A	1000A
Altitude	3000m		
Ambient Temperature	-15°C~45°C		
Humidity	0~95%RH (Non-Condensing)		
Cooling Method	Air Cooling		
IP Rating	IP54		
Communication	RS485, Modbus TCP/IP		