STS Cabinet

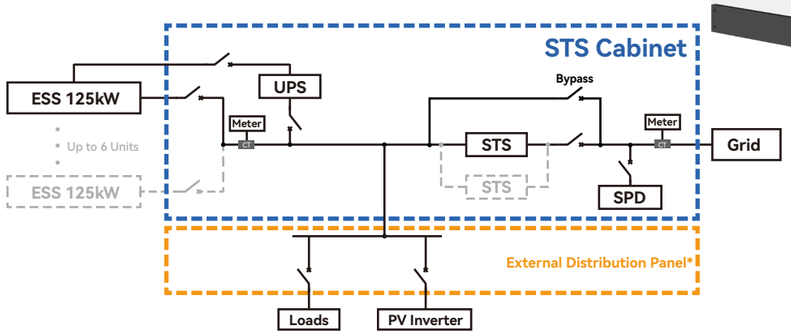
ECO-STS-C125-2/4/6IN

Recommended Compatible Products:
ECO-E101WX、ECO-E241WP-2A、ECO-E261LP-2A



Brief

Elecnova ECO-STS-C125-2/4/6IN is a seamless on/off-grid switching cabinet designed for the 125kW rated power Elecnova 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 PV inverter power and critical loads connection, allowing for the normal operation of PV system and loads in grid outage condition.



*Note: Distribution panel is not included in STS cabinet.

Features

Intelligent collaboration
Seamless on/off-grid switching within 20ms.

Reliable
Leading brands selection of all equipments, safe and reliable.

Highly Integration
Integrate STS, UPS, meter, breakers, ATS(optional) and other accessories in one system, compact and easy transportation.

Electrical Safety
Backup design and assurance of critical loads without interuption.

Specifications

ESS Side Parameters	ECO-STS-C125-2IN	ECO-STS-C125-4IN	ECO-STS-C125-6IN
Max. No. of ESS Connection	2 units	4 units	6 units
Max. ESS Current	2*250A	4*250A	6*250A
Rated ESS Power	2*125kW	4*125kW	6*125kW
Grid Side Parameters			
No. of Grid Connection Port	1		
Max. Grid Current	500A	800A	1600A
Grid Voltage Range	400V±15%		
Grid Type	3W+N+PE		
Rated Frequency	50/60Hz		
On/off-grid Switching Time	20ms		
PV Input Requirements			
Max. PV&Loads Port Current	250A	630A	800A
Recommended Max. PV Power	170kW	430kW	550kW
Recommended Max. Load Power*	70% × ESS Power		
Auxiliary Equipments Parameters			
UPS	Standard		
Maintenance Socket	Standard, 16A		
Surge Protection	AC Type II		
Meter Accuracy	0.5S		
ATS	Optional		
General Parameters			
Dimension(W×D×H)	800×1200×1800 mm	1000×1200×1800 mm	1200×1200×2200 mm
Altitude	3000m		
Ambient Temperature	-15℃~45℃		
Humidity	0~95%RH (non-condensing)		
Cooling Method	Air cooling		
IP Rating	IP54		
Communication	RS485, Modbus TCP/IP		

*Note: The value indicated herein is a recommended reference based on PF=0.7. When the load involves motors or other types of impact loads, it is recommended to equip the system with a soft starter. Please contact Elecnova for further technical support prior to order placement.