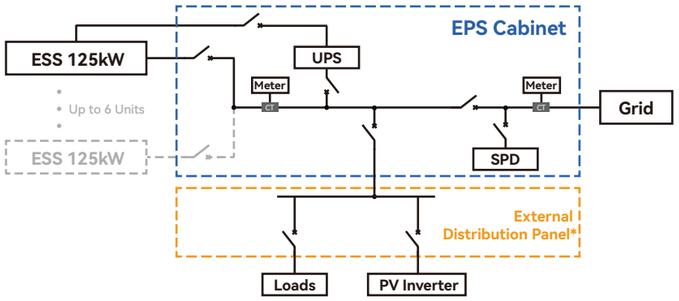
EPS Cabinet

ECO-EPS-C125-1/3/6IN

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



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



Brief

Elecnova EPS (Emergency Power Supply) cabinet ECO-EPS-C125-1/3/6IN series is designed to enable on/off-grid switching for single unit or multiple parallel-connected units in emergency situations, with the switching time within 20 seconds, ensuring the operation of critical loads under off-grid conditions. The EPS cabinet supports both remote and on-site manual switching between on/off-grid modes, meeting the switching requirements of various application scenarios. In addition, the EPS cabinet allows the integration of grid-tied inverters and ensures their normal operation under off-grid conditions, thereby optimizing the system logic and overall efficiency of PV-plus-BESS projects. This enables the ESS to be applied in a wider range of complex application

Features

IP54 Outdoor Design
High protection rating for harsh environments

Space Saving
Integrated structure with minimal size.

Fast Deployment
Modular design for efficient wiring and installation.

On/off-grid Switching
Built-in UPS provides backup power for on-grid and off-grid switching.

Specifications

ESS Side Parameters	ECO-EPS-C125-1IN	ECO-EPS-C125-3IN	ECO-EPS-C125-6IN
Max. No. of ESS Connection	1	3	6
Max. ESS Current	250A	3*250A	6*250A
Max. ESS Power	125kW	3*125kW	6*125kW
Grid Side Parameters			
No. of Grid Connection Port		1	
Max. Grid Current	315A	800A	1600A
Rated Voltage		400V	
Voltage Range		400V±15%	
Grid Type		3W+N+PE	
Rated Frequency		50/60Hz	
On/off-grid Switching Time		≤20s	
PV & Loads Requirements			
Max. PV&Loads Port Current	250A	630A	1250A
Recommended Max. PV Power	170kW	430kW	860kW
Recommended Max. Load Power*		70% × ESS Power	
Auxiliary Equipments Parameters			
UPS		Standard	
Surge Protection		AC Type Ⅱ	
Meter Accuracy		0.5S	
General			
Dimension (W×D×H)	600×800×1500 mm	800×1000×2400 mm	1000×1000×2400 mm
Altitude		≤3000m	
Ambient Temperature		-10℃~40℃	
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 recommende eference 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.