

125 kW

STS



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It is a seamless on/off-grid switching cabinet designed for the 125kW rated power Evault 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.

		S125 - 02	S125 - 04
ESS Side Parameters	Max. No. of ESS Connection	2 units	4 units
	Max. ESS Current	2*250A	4*250A
	Rated ESS Power	2*125kW	4*125kW
Grid Side Parameters	No. of Grid Connection Port	1	
	Max. Grid Current	500A	800A
	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
	Recommended Max. PV Power	170kW	430kW
	Recommended Max. Load Power*	< 0.5% I _{pn}	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
	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	