

String-Type Boost Integrated Cabin

35/5000

(customized
voltage
1000-5000kVA)



Features:

Highly Integrated

- Multiple Function Performing for Providing All-in-one Solution for ESS and Power System

Flexible Configuration

- Accommodate Various Parallel Connections for Expanding or Adjust System

Intelligent O&M

- Remote Monitoring and Management

Safe and Reliable

- IP66 Protection Level

Efficient and Energy-Saving

- Precisely Control Charging and Discharging Processes

Efficient and Energy-Saving

- Suitable for Various Installation Scenarios

Technical Specifications:

Item		Parameters
AC Side Parameters	AC Connection Method	Three-Phase Three-Wire (Including Boost Transformer)
	Rated Power	5000kW
	Short-Term OverloadCapacity	110% Overload: Continuous; 120%Overload: 1 min
	Rated Grid Voltage	35kV
	Rated Grid Frequency	50Hz/60Hz
	Frequency Range	47 ~ 53Hz/57 ~ 63Hz
	Total Current Distortion Rate(THD)	<3%
	Power Factor	>0.99(>20% load)
	Adjustable Power Factor Range	1 (Leading) – 1 (Lagging)
	Rated Power	5500kW(215kW*24)
DC Side (Battery) Parameters	Maximum Continuous Operating Power	5500kW(215kW*1.1*24)
	Short-Term Overload Capacity(1min)	6000kW(215kW*1.2*24)
	DC Voltage Range	100~1500V
	Maximum Long-Term Operating Current	236A*24
	Voltage Ripple	±2%
	Current Ripple	±3%
System	Dimensions(L * W * H)	8189*3200*3200(mm)
	Protection Level	IP54
	Noise Level	<80dB(At a distance of 1 meter from the equipment)
	Operating Ambient Temperature	-40℃ ~ +60℃(Derating is required for use above 50℃)
	Storage Ambient Temperature	-40℃~-+70℃
	Cooling Method	Forced Air Cooling
	Allowable Relative Humidity	0~95%, No Condensation
	Communication Interfaces	Ethernet, RS485
	Control System Distribution	Self-Powered Method