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## 250kW/500kW Grid/OffGrid STS Cabinet

SSS250E1 & SSS500E1

### Fast Response

Solid-state electronic switching enables millisecond-level transitions(<20 ms)

### High-Efficiency Conversion

99.5% efficiency achieved via ultra-low-loss semiconductor devices

### Safe & Reliable

Silicon-based PNP structure enables contactless electronic conduction (no physical contact). Only requires a gate trigger signal for on/off control. No moving mechanical parts, ensuring fast response and high reliability. Automatically switches to backup power

### Flexible Customization

Modular design with 250kW, 500kW, and other power modules. Supports parallel operation of up to two units



# Technical Specification

Model	SSS250E1	SSS500E1
<b>System Information</b>		
Bypass Function	NONE	
Switching Time	< 20ms	
Overload Capacity	1.1Pn@1min	
UPS Power	1kVA/220V	
<b>Grid Side</b>		
Rated Voltage	400V, 3W+N+PE(±15%)	
Rated Power	250kW	500kW
Rated Current	360A	720A
Rated Frequency	50/60Hz±2.5Hz	
Voltage THD	< 10%	
<b>Load side</b>		
Rated Voltage	400V, 3W+N+PE	
Rated Power	125kW	250kW
Rated Current	180A	360A
Rated Frequency	50/60Hz±2.5Hz	
<b>PCS</b>		
Rated Voltage	400V, 3W+N+PE	
Rated Power	125kW	250kW
Rated Current	180A	360A
Rated Frequency	50/60Hz±2.5Hz	
Voltage THD	< 10%	
<b>General Specifications</b>		
Dimensions (W*H*D)	900*1550*1000mm	
Weight	500kg	
Communication	RS485	
Operating Temperature	-25°C~55°C	
Altitude	3000m (>2000m Derating)	
Protection Level	IP54	

**SYL(Ningbo)Battery Co.,Ltd.**