

risen

430kW Grid/OffGrid Switch Box

SSK430E3

Safe & Reliable

Integrates fast electromagnetic drive technology for low-voltage devices and solid-state arc-extinguishing technology for semiconductors, ensuring system safety

Compact & Integrated

Space-optimized design with a footprint of just 0.18m², reducing installation and land costs

Long Service Life

Electrical lifespan of up to 20,000 cycles

Flexible Customization

Modular Design, Supports Individual Unit Capacity Expansion, Enables On-Demand Configuration



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Technical Specification

Model	SSK430E3	
System Parameters		
Rated Power	430KW	
Rated Operating Current	630A	
Rated Operating Voltage	AC400	
Operating Voltage Range	65%-135%	
Rated Frequency	50/60Hz	
Rated Impulse Withstand Voltage	6KV	
Rated Insulation Voltage	AC800V	
Electrical Life	20000	
Isolation Breakpoint	Yes	
Special Making & Breaking Capacity	10× making 2× breaking	
Number of Poles	4P	
Switching Time	< 20ms	
Grid Side		
Rated Voltage	400V, 3W+N+PE(±15%)	
Rated Power	430kW	
Rated Current	310A	
Rated Frequency	50/60Hz	
Voltage THD	< 10%	
Load side		
Rated Voltage	400V, 3W+N+PE	
Rated Power	215kW	
Rated Current	310A	
Rated Frequency	50/60Hz	
PCS		
Single Unit Rated Power	100kW	125kW
Single Unit Rated Current	144A	180A
Rated Voltage	400V, 3W+N+PE	
Rated Frequency	50/60Hz	
Voltage THD	< 10%	
General Specifications		
Communication	485/CAN	
Protection Level	IP20	
Operating Temperature	0~40°C	
Dimensions (W*H*D)	840*1060*216mm	
Net weight	70kg	
Gross weight (including packaging)	86kg	

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