TITAN
SMART ENERGY

Shenzhen Titan Smart Energy Technology Co., Ltd.

Power-SC-STS-250K
Power-SC-STS-500K

STS Grid-tied / Off-grid Switching Cabinet

- Autonomous Grid Switching
- Modular Architecture
- Millisecond Response



Easy Deployment

- Active switching: 0 ms | Passive switching: <20 ms
- Continuous power to loads, ensuring no disruption to operations

Broad Compatibility

- Supports multi-unit parallel operation with PCS and EMS
- Multiple safety mechanisms for robust system integrity

Autonomous Operation

- Real-time EMS sensing with intelligent decision-making
- Autonomous grid switching eliminates the need for on-site supervision

Simplified Maintenance

- Live maintenance without power interruption
- Servicing without affecting business continuity

Specification	Models	Power-SC-STS-250K	Power-SC-STS-500K
System Parameters	Grid-side Power	250 kW	500 kW
	PCS-Side Power	125 kW	250 kW
	Load-Side Power	125 kW	250 kW
	Load Access Circuits	1 Circuit (Switch Capacity 250 A)	1 Circuit (Switch Capacity 500 A)
	Grid / Off-Grid Switching Time	< 20 ms	
	Rated Voltage	380/400 Vac	
	Connection Mode	3 P + N + PE	
	Load Bypass Function	Supported	
	Incoming Mode	AC Bottom Incoming	
Mechanical Parameters	Dimensions(W × D × H mm)	650 × 980 × 1700 mm (Excluding Lifting Ring Height)	1000 × 1046 × 1790 mm (Excluding Lifting Ring Height)
	Weight	Approx. 270 kg	Approx. 290 kg
	IP Rating	IP54	
	Corrosion Resistance	C3 (C4/C5 Optional)	
	Operating Temperature	-25~+55 °C (Derated Above 45 °C)	
	Operating Humidity	0~95 % RH (Non-Condensing)	
	Altitude	⩽4000 m (Derated Above 2000 m)	
	Cooling Method	Intelligent Air-Cooled	
	Communication Mode	CAN*2/LAN*2/RS-485*3	

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