

Seamless Power Bridge Product Specifications

HEX-STC430KW-630A
HEX-STC740KW-1260A



Comprehensive Safety

- **Robust IP54 Protection** Fully certified for both demanding indoor and outdoor installations, keeping internal components dry and safe.
- **Active Condensation Control** Engineered to handle rapid temperature shifts; supports up to 95% relative humidity at +20°C
- **Smart Neutral-Ground Bonding** Automatically bonds N and PE lines during off-grid operation and safely disconnects them when grid-connected.

High Efficiency (Rapid Response)

- **Millisecond-Level Switching** Achieves ultra-fast grid-connected/off-grid transfer in < 20ms to keep your critical business operations uninterrupted.
- **Ultra-Fast Disconnection** Delivers a seamless switch opening time of < 16ms to isolate the system from the grid instantly.
- **Flexible Node Control** Available in both standard Dual-node and simplified Single-node control configurations to match your system design.

Simple O&M

- **Real-Time Status Feedback** Provides zero-crossing point signal feedback (ZC) and main circuit opening completion feedback (OS) for precise monitoring.
- **Multi-Protocol Communication** Equipped with standard CAN and RS485 communication interfaces for effortless integration with master controller systems
- **Dual-Side Voltage Sampling** Features dedicated grid-side and load-side sampling lines, giving your EMS highly accurate real-time data.

Easy Deployment

- **Versatile Installation Methods** Supports both floor-standing and wall-mounting setups, allowing you to optimize footprint space.
- **Adaptable Structural Design** Equipped with a removable base for wall mounting and removable lifting rings for a clean, permanent fit.
- **Convenient Bottom Cabling** Bottom-in and bottom-out cable entry simplifies wiring layouts and protects cable bending radiuses.

Model	HEX-STC430KW-630A	HEX-STC740KW-1260A
Grid Side		
Rated Output Power	430kW	740kW
Max. Apparent Current	630A	1260A
Rated AC Voltage	380/400/415/480 Vac	
AC Voltage Range	65%~135% (AC380V)	
Grid Type	3W+N+PE	
Rated Frequency	50 / 60 Hz	
On/O-Grid Switching Time	≤20 ms	
Seamless Switch Opening Time	≤16 ms	
General		
Dimensions (W×D×H)	1000×700×1500 mm	
Operating Temperature	-30°C~+75°C	
Storage Temperature	-40°C~+85°C	
Cooling Method	Natural cooling	
IP Rating	IP54	
Cable Entry	Bottom-in and bottom-out	
Altitude	≤4000m (Derating required if exceeded)	

*Note: Load power + PCS-side charging power ≤ Max. product power

Note 1: Product dimensions exclude lifting, handling, and installation structures.