



Innova™ STS

Sub-cycle Transfer Switch

emPowering Energy

Benefits

✔ Maximize Uptime & Productivity

- Fastest MV power transfer available (switching MWs in milliseconds)
- IEEE 446 compliant (CBEMA curve)
- Proven technology

✔ Reduces Operating Costs

- Fast Return On Investment (ROI)
- Lower upfront cost vs. UPS
- Low maintenance

✔ Environmentally Clean

- Medium voltage (no transformer)
- No energy storage elements to maintain or dispose of
- Air-cooled

Applications

- ✔ Airports & Airbases
- ✔ Cloud & Data Centers
- ✔ Automated Manufacturing
- ✔ Telecommunications Centers
- ✔ Computer Networks
- ✔ Power Quality Parks
- ✔ Office Buildings
- ✔ Industrial Parks
- ✔ R&D Labs



Description

Silicon Power's Innova™ STS (Sub-cycle Transfer Switch) is a power quality solution that maximizes the resilience of your power network, empowering higher levels of productivity. The Innova STS is a proven solution that has become essential for a growing number of businesses and industries globally—empowering higher levels of power reliability and performance.

The Innova STS is designed for large commercial and industrial power consumers who have access to two or more independent medium voltage power feeds.

The Innova STS detects sags, swells, momentary and sustained interruptions, and automatically transfers the load to the alternate power feed in milliseconds—faster than other technologies. Providing the most cost effective solution with substantially lower upfront and lifecycle costs than UPS systems.

Topologies

- ✔ Preferred / Alternate
- ✔ Split Bus

Innova STS

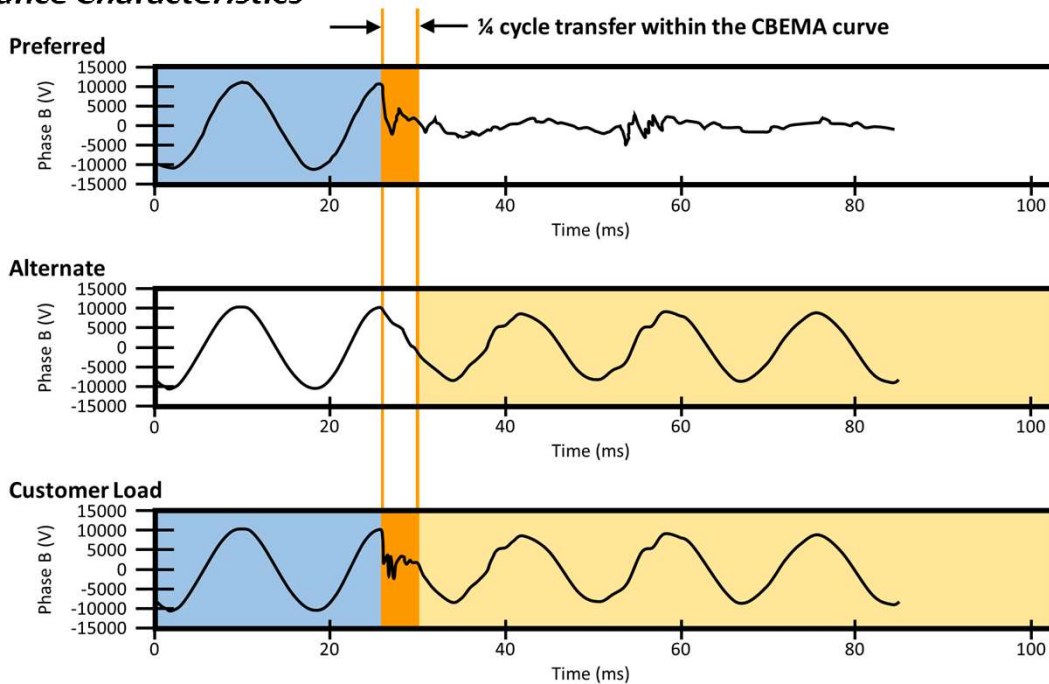
Sub-cycle Transfer Switch



Technical / Configuration Information

Voltage Class	Voltage Withstand (Impulse BIL)	Continuous Current	Fault Current Withstand (X/R = 15)	
			Symmetrical	Asymmetrical
5 kV	60 kV	600A	9, 18 kA	23, 45 kA
		1400A	18 kA	45 kA
15 kV	95 kV	600A	9, 18 kA	23, 45 kA
		1200A	18 kA	45 kA
27 kV	125 kV or 150 kV	400A	6, 9, 12, 18 kA	15, 23, 30, 45 kA
		600A	6, 9, 12, 18 kA	15, 23, 30, 45 kA
		1200A	18 kA	45 kA
38 kV	150 kV or 200 kV	400A	6, 12 kA	15, 30 kA
		600A	12 kA	30 kA

Performance Characteristics



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