

SOUTHERN STATES HORIZONTAL CIRCUIT SWITCHER RATINGS

The following ratings are to be utilized for Southern States Horizontal Circuit Switchers rated thru 245 kV.

CSH/CSH-B 550 KV BIL INTERRUPTER ¹

	Temp Range	≤ 72.5 kV	123 kV
PBF 100s	-30°C to +50°C		20 kA
	-40°C to +50°C	25 kA	
	-50°C to +40°C	15 kA ⁵	12 kA ⁵
TLF	-40°C to +50°C	4 kA	2.9 kA ²
	-50°C to +40°C	2.5 kA ⁵	1.7 kA ⁵

Notes:

- Ratings shown are for 1200A. For 1600A, top temp is +40°C.
- Nameplate will include note "TLF = 4 kA @ 7.6 kV/μs TRV."
- Ratings **do not** apply to 2000A.
- Ratings apply to both Porcelain and Composite Interrupter Housings.
- SF₆ / N₂ Gas Mixture
- All ratings are suitable for ungrounded systems (1.5 kpp).

CSH/CSH-B 900 KV BIL INTERRUPTER ¹

	Temp Range ¹	245 kV ⁵
PBF 100s	-30°C to +50°C	20 kA
	-50°C to +40°C	12.5 kA ⁴
TLF	-30°C to +50°C	4 kA
	-50°C to +40°C	2 kA ⁴

Notes:

- Ratings shown are for 1200A and 1600 A.
- Ratings **do not** apply to 2000A.
- Ratings apply to both Porcelain and Composite Interrupter Housings.
- SF₆ / N₂ Gas Mixture
- The 245 kV rating is suitable for Grounded Systems.

CSH/CSH-B 750 KV BIL INTERRUPTER ¹

	Temp Range	≤ 72.5 kV	123 kV	145 kV	170 kV ⁶
PBF 100s	-40°C to +50°C	25 kA		20 kA ³	
	-50°C to +40°C	15 kA ⁷		12 kA ⁷	
TLF	-40°C to +50°C	4 kA	2.9 kA ²	2.3 kA ²	2.7 kA ²
	-50°C to +40°C	2.5 kA ⁷	1.7 kA ⁷	1.4 kA ⁷	1.6 kA ⁷

Notes:

- Ratings shown are for 1200A. For 1600A, top temp is +40°C.
- Nameplate will include note "TLF = 4 kA @ 7.6 kV/μs TRV."
- For existing installations, the 123 kV can also be rated 25 kA for -30°C to + 50°C. If 25 kA is specified for a new installation, the CSH2 design should be utilized.
- Ratings **do not** apply to 2000A.
- Ratings apply to both Porcelain and Composite Interrupter Housings .
- 170 kV ratings are for Grounded Systems (1.3 k_{pp}).
- SF₆ / N₂ Gas Mixture

CSH2/CSH2-B 650 KV BIL INTERRUPTER WITH HIGH ENERGY DRIVER ¹

	Temp Range	≤ 72.5 kV	123 kV	145 kV ²	Interrupter Housing
PBF 100s	-30°C to +50°C		40 kA		Composite
	-40°C to +50°C		31.5 kA		
TLF	-40°C to +50°C		4 kA		

Notes:

- Ratings shown are for 1200A. For 1600A, top temp is +40°C.
- The 145 kV rating is for Grounded Systems (1.3 k_{pp}).
- The CSH2 is currently not offered at temperatures below -40°C