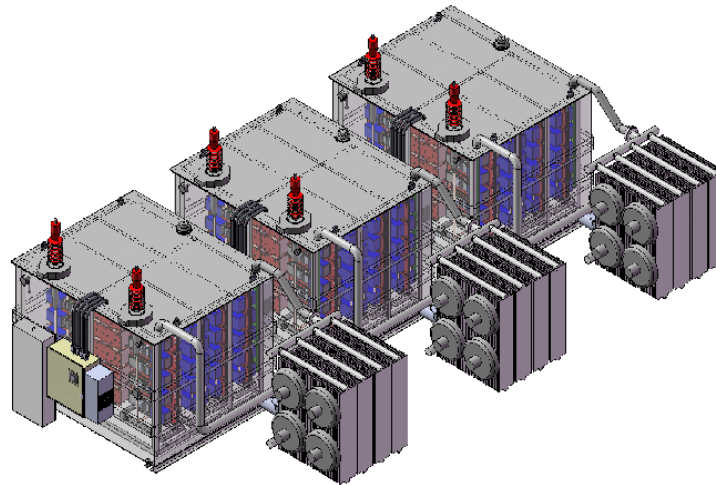


SSCL™ Solid State Current Limiter

Product Datasheet



Modular

Configurable

SmartGrid-Capable

Silicon Power is pleased to introduce the SSCL™ Solid State Current Limiter. Integrating Silicon Power’s award winning SGTO technology, the SSCL™ serves as a fault current limiter protecting downstream legacy systems and circuit breakers. The SSCL™ is available in a wide range of voltage classes. Shown above, the 69 kV 3000A three-phase system. Fault current settings are programmable; the system may be configured for an application-specific let-thru current (standard values are given in the table).

Voltage Class	15 kV		69 kV	
Continuous Current / A RMS	1200	4000	1000	3000
System fault current / A RMS	23 kA	11 kA	40 kA	80 kA
Let-thru current / A RMS	9 kA	5.5 kA	20 kA	40 kA
Let-thru time period	30 cycles	30 cycles	30 cycles	Programmable
Number of phases/poles	3	1	1	3
Dimensions (h x w x d) / feet	12 x 11 x 12	13 x 22 x 9	12 x 11 x 12	13 x 22 x 42
Weight / lbs	60 000	40 000	80 000	240 000
Communications	RS 232 Ethernet	RS 232 Ethernet	RS 232 Ethernet	RS 232 Ethernet
Dielectric	Mineral oil	Mineral oil	Mineral oil	Mineral oil

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