

■ Surge and Signal Protection
for Business-Critical Continuity

Liebert Interceptor® II TVSS
Setting the Standard for Facility-Wide Protection



The Capacity to Handle the Surges; The Footprint that Saves You Space

Today's businesses demand more protection from their surge suppression products. A power disturbance can strike at any time, causing a loss of data, productivity and money. Customers require systems that will consistently provide clean power and safeguard their equipment from the substantial costs of power disturbances.

Features

- **Built-In-Testing** - The Liebert Interceptor II comes equipped with a built-in testing circuit that monitors MOV/fuse link status. The built-in testing can be operated by the simple push of a button on the display panel, and testing can occur at any voltage within the continuous operating voltage range, even during a transient event. No other surge manufacturer offers this monitoring capability as a standard feature.
- **Precise Current Sharing Assures Performance and Long Life** - High Energy current diversion is handled by a sophisticated parallel system of computer matched, custom metal-oxide varistor (MOV) array.
- **Protection From Extreme Voltage Conditions** - Individual component-level fusing coordinates to ensure each unit is safeguarded.
- **Lowest Clamping Voltages** - through use of low impedance copper conduction plates.
- **Real-time Status Indication** - internal and external LED's, audible alarms and Form C contacts activate when protection is reduced or phase loss/undervoltage conditions are detected.
- **Best-in-Class Capacitive Filtering** - for excellent ringwave transient attenuation.
- **Stringent 3rd Party Testing** - for surge current capacity, life cycle, EMI/RFI noise rejection, fault interrupt current and industry safety approvals.
- **10-Year Warranty for parts and 5-Year on-site labor**





Liebert Interceptor® II Surge Suppression 160kA - 1000kA.

Connection Type	Parallel Connected	
Agency Listings	UL1449, UL1283, cUL, FCC Part 15 Class B	
Operating Voltage Range	+ / - 15%	
Fault Current Rating (AIC)	200kAIC	
Operating Frequency Range	47 - 63 Hertz	
50 ohm EMI/RFI Attenuation	100kHz	41 dB
	1MHz	31 dB
	10MHz	35 dB
	100MHz	53 dB
Protection Modes	All applicable modes standard (Line to Neutral, Line to Ground, Neutral to Ground and Line to Line)	
Response Time	<0.5 nanoseconds	
Temperature	-40 to +60 degrees C	
Operating Humidity	0% to 95% noncondensing	
Status Indication	LEDs, Dry Contacts, Audible Alarm	
Enclosure	NEMA 4 standard	
Altitude	0 to 18,000 feet	
Audible Noise	Less than 45 dBA	
Warranty	10-Years Parts and 5-Years On-Site Labor	

NEMA LS 1 Test Data (without disconnect/with disconnect)

System Voltage	Mode	B3 Ringwave	6kv/500A Comb.Wave	B3/C1 Comb.Wave	C3 Comb.Wave
120/208	L-N	328/344	308/312	376/376	452/536
120/208	L-G	340/348	320/316	364/368	444/584
120/208	L-L	464/448	576/568	680/652	792/832
120/208	N-G	344	284	344	468
277/480	L-N	520/536	532/528	800/800	912/952
277/480	L-G	736/760	688/688	760/776	840/896
277/480	L-L	736/776	720/728	1480/1416	1656/1600
277/480	N-G	736	648	760	896

UL 1449 Clamping Data (Second Edition)

System Voltage	L-N	L-G	N-G	L-L
120/240 120/208	330V	400V	400V	600V
240	N/A	800V	N/A	800V
230/400 277/480	700V	800V	600V	1200V
480	N/A	1200V	N/A	1500V

How To Specify The Appropriate Model:

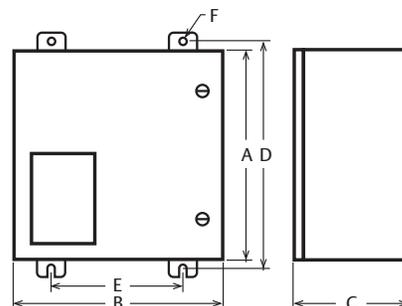
All Liebert Interceptor II model numbers begin with the SI prefix. Use Chart A to build your Liebert Interceptor II starting with the Surge Rating column. Moving left to right, choose the correct configurations from each column for your application. Your completed model number should look similar to the example below or SI016120YARDE. Refer to Chart B for Liebert Interceptor II dimensional data.

Chart A – Liebert Interceptor® II Model Selection

SI		016		120		Y		A		R		D		E	
Interceptor Series		Choose Surge Current Rating		Choose Voltage (L-G)		Choose Voltage Configuration		Choose Modes of Protection		Choose Type of Connection		Choose Monitoring Option		Choose Enclosure Type	
Code	Code	Code	Code	Code	Code	Code	Code	Code	Code	Code	Code	Code	Code	Code	Code
SI	016	160kA	120	120V	N	1 Phase L-N 2+W+GND	A	All	N	Wire Lugs	S	Standard Monitoring LEDs, Audible Alarm, Form C Contacts	E	NEMA 4	
	025	250kA	208	208V	L	1 Phase L-L 2W +GND	*Other modes of protection available; Call factory.	R	Disconnect	C	Standard Monitoring Plus Single Surge Counter	D	Standard Monitoring Plus Dual Surge and Swell Counters	N	Caseless
	032	320kA	220	220V	S	Split Phase 3W+GND									
	040	400kA	230	230V	Y	3 Phase Wye 4W+GND									
	050	500kA	240	240V	D	3 Phase Delta 3W+GND									
	060	600kA	277	277V	X	3 Phase Wye 3W+GND									
	075	750kA	480	480V	H	3 Delta Hi-Leg 4W+GND									
	100	1000kA													

Chart B – Liebert Interceptor® II Dimensional Data

Surge	Connection	A	B	C	D	E	F	Weight
160kA	Wire lugs	16	12	9	17.25	9.5	0.44	35
250kA	Disconnect	16	16	9	17.25	10	0.44	45
320kA	Wire lugs	16	12	9	17.25	9.5	0.44	45
500kA	Disconnect	16	16	9	17.25	10	0.44	55
600kA	Wire lugs	20	16	9	21.25	10	0.44	55
750kA	Disconnect	20	20	9	21.25	14	0.44	85
1,000kA	Wire lugs	20	20	9	21.25	14	0.44	85
	Disconnect	20	24	9	21.25	18	0.44	95



Ensuring The High Availability Of Mission-Critical Data And Applications.



Emerson Network Power, the global leader in enabling business-critical continuity, ensures network resiliency and adaptability through a family of technologies – including Liebert power and cooling technologies – that protect and support business-critical systems. Liebert solutions employ an adaptive architecture that responds to changes in criticality, density and capacity. Enterprises benefit from greater IT system availability, operational flexibility, and reduced capital equipment and operating costs.

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