

Specifications:

Sta^{bl}-POWER

Secondary 'S' Series

For IEEE Cat.B Sub-Panels/
Secondary Locations Applications up to
120KW Systems

Manufacturers Model No.	SP-1120-3S	SP-1208-4S	SP-1240-3S	SP-1240-4S	SP-1480-3S	SP-1480-4S
Common Electrical TVSS System Type::	1 Ø	3 Ø WYE	3 Ø Delta	3 Ø WYE or Delta	3 Ø Delta	3 Ø WYE or Delta
Nominal AC Line Voltage/ MCOV^a (L-N & L-L)	130/250	130/130/210	250/250	130/210/250	510/510	300/300/510
Frequency Range-USA Std.:	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz
Paralleled ME Technology Protection Modes:	L-N; L-L	L-N; L-L & N-G	L-L	L-N; L-L & N-G	L-L	L-N; L-L & N-G
Knock Out Size for Mounting w/Optional 2"x1/2" offset:	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"
Leads: #12 AWG (for 20A Breaker):	3+ Gnd.	4+ Gnd.	3+ Gnd.	4+ Gnd. Hi-Leg	3+ Gnd	3 Or 4+ Gnd. ^A
Max. Multi-Element (ME) Surge Capacity Per Mode:	40,000 Amps	40,000 Amps	40,000 Amps	40,000 Amps	40,000 Amps	40,000 Amps
Max. Surge Current Per Phase:	120,000 Amps	120,000 Amps	120,000 Amps	120,000 Amps	120,000 Amps	120,000 Amps
Total Surge Capacity @ 8x20 µsec	180,000 Amps	360,000 Amps	180,000 Amps	360,000 Amps	180,000 Amps	360,000 Amps
Maximum Constant Voltage (L-N/L-L):	150/300	150/300	150/300	150/300	320/550	320/550
Max. Clamping Voltage - L-L:	520	520	520	520	1175	1175
Max. Clamping Voltage - L-N:	390	390	N/A	390	675	675
Max. Clamping Voltage - N-G:	330	390	N/A	390	390	390
Mfgr's. Full Replacement Warranty:	10 Years	10 Years	10 Years	10 Years	10 Years	10 Years
Lifetime Repl. Module Guarantee:	YES	YES	YES	YES	YES	YES
Enclosure Size (HxWxD):	4 ^{1/2} x2 ^{3/4} x2 ^{1/4} "	4.5x4.5x2.25"	4.5x4.5x2.25"	4.5x4.5x2.25"	4.5x4.5x2.25"	4.5x4.5x2.25"
Shipping Weight (Approx.):	1.8 Lbs.	2.6 Lbs.	2.6 Lbs.	2.6 Lbs.	3.2 Lbs	3.5 Lbs.

Multi-Element TVSS Technology

Specifications:

Sta^{bl}-POWER

Primary 'P' Series

IEEE Cat. C & B Main Panels/
Primary Locations Applications up to
350KW Systems

Manufacturers Model No.	SP-1120-3P	SP-1208-4P	SP-1240-3P	SP-1240-4P	SP-1480-3P	SP-1480-4P
Common Electrical TVSS System Type:	1 Ø	3 Ø WYE	3 Ø Delta	3 Ø WYE or Delta	3 Ø Delta	3 Ø WYE or Delta
Nominal AC Line Voltage/ MCOV[*] (L-N & L-L)	130/250	130/130/210	250/250	130/210/250	510/510	300/300/510
Frequency Range-USA Std.:	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz
Single Element (SE⁺) Protection Modes:	L-N; L-L	L-N; L-L & N-G	L-L	L-N; L-L & N-G	L-L	L-N; L-L & N-G
Knock Out Size for Mounting:	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"
Leads: #10 AWG (for 30A Breaker):	3+ Gnd.	4+ Gnd.	3+ Gnd.	4+ Gnd.	3+Gnd.	3 or 4+ Gnd.
Max. Non-degrading SE⁺ Surge Capacity:	45,000 Amps	45,000 Amps	45,000 Amps	45,000 Amps	45,000 Amps	45,000 Amps
Max. Surge Current Per Phase:	90,000 Amps	135,000 Amps	135,000 Amps	135,000 Amps	135,000 Amps	135,000 Amps
Total Surge Capacity @ 8x20 µsec	154,000 Amps	335,000 Amps	225,000 Amps	335,000 Amps	225,000 Amps	335,000 Amps
Maximum Constant Voltage (L-N/L-L):	150/300	150/300	150/300	150/300	320/550	320/550
Max. Clamping Voltage - L-L:	520	520	520	520	1175	1175
Max. Clamping Voltage - L-N:	390	390	N/A	390	675	675
Max. Clamping Voltage - N-G:	330	390	N/A	390	390	390
Mfgr's. Full Replacement Warranty:	10 Years	10 Years	10 Years	10 Years	10 Years	10 Years
Lifetime Repl. Module Guarantee:	YES	YES	YES	YES	YES	YES
Enclosure Size (HxWxD):	3 ^{1/8} "x4 ^{1/4} "x6 ^{1/4} "	3 ^{1/8} "x4 ^{1/4} "x6 ^{1/4} "	3 ^{1/8} "x4 ^{1/4} "x6 ^{1/4} "	3 ^{1/8} "x4 ^{1/4} "x6 ^{1/4} "	3 ^{1/8} "x4 ^{1/4} "x6 ^{1/4} "	3 ^{1/8} "x4 ^{1/4} "x6 ^{1/4} "
Shipping Weight (Approx.):	5.2 Lbs.	5.85 Lbs.	5.5 Lbs.	5.8 Lbs.	5.8 Lbs.	6.0 Lbs.

**Non-Degrading TVSS
Single-Element Technology**

SE⁺ = Single Element, Non-degrading TVSS Technology ~ MCOV^a = Maximum Continuous Operating Voltage Rating