

SP Compact Surge Protector



The **SP Compact Surge Protector (SPD)** by **Omega Power** provides **economical** protection against damaging transients and surge events. The SP is UL Listed to UL 1449 Edition 5.0. This allows for installations on the line or load side (Type I or Type 2) of the service panel in accordance with the NEC 2020 without the requirement for additional circuit breakers or fuses. Meets UL96A requirements for surge suppression. The housing is constructed of UV-stabilized thermoplastic and meets the UL 50 Type 4x rating, making it ideal for both indoor and outdoor applications.

Primary applications: Small service entrances; commercial and industrial branch panels in coordinated protection systems; rooftop and AC equipment disconnects; OEM control cabinet power applications; UL508 panels; **most residential electrical panels**; pump motor disconnects; PV solar combiner boxes, UL96A lightning protection installations, light pole applications, etc...



Model	SPS12	SPY12	SPY24	SP1	SP2
Nominal System Voltage	120/240 VAC	120/208 VAC	277/480 VAC,	120 VAC	240 VAC
Distribution System	1Ph 2W+G	3 Ph 4W+G	3 Ph 4W+G	1Ph 2W+G	1Ph 2W+G
MCOV	150/300 VAC	150/300 VAC	340/590 VAC	150 VAC	300 VAC
Protection Modes	L-L, L-N	L-G, L-L, L-N, N-G	L-G, L-L, L-N, N-G	L-G, L-N, N-G	L-G, L-N, N-G
Voltage Protection Rating	1800, 900 V @ 3 kA	1800, 800 V @ 3 kA	2500, 1500 V @ 3 kA	1800, 900, 900 V	2500, 1500, 1200 V
Approvals	UL® 1449 Listed Edition 5.0 (Type 1 or 2), 20 kA mode				
Short Circuit Current	200 kAIC	200 kAIC	200 kAIC	200 kAIC	200 kAIC
Nominal Discharge	20 kA 8/20 μs				
Max Discharge Current,	40 kA 8/20 μs per				
Status	Blue LED status indication				
Dimensions	120.65 x 69.85 x 76.2 mm, 4.75" x 2.75" x 3"				
Weight kg (lbs)	.25 kg, (.55 lbs)	.385 kg, (.85 lbs.)	.385 kg, (.85 lbs.)		
Enclosure	NEMA 4X, UL50 Type 4X, IP 65				
Connection	900 mm (36") of # 12 AWG flying leads				
Mounting	1/2" straight nipple				
Temperature	-40°C to 80°C (-40°F to 176°F)				
Available Options	Flush Mounting Plate (SP FP)				