

SloanLED Power Supplies

Specifications

12 VDC* – Compatible with SloanLED 12 VDC products

Model	Part number	Dimensions	Nominal input voltage	Max. input current	Power output	Location rating	Operating temperature	Protection class
Compact 12/25 W	410174	148 mm × 40 mm × 32 mm (5.83 in × 1.58 in × 1.26 in)	100-240 VAC, 50-60 Hz	0.40 A	25 W @ 12 VDC, Class 2 output	Dry and damp locations	-40° C to +70° C	IP67
60C1 60 W	701507-60C1	142 mm × 46 mm × 33 mm (5.6 in × 1.8 in × 1.3 in)	100-240 VAC, 50-60 Hz	0.70 A	60 W @ 12 VDC, Class 2 output	Dry and damp locations	-40° C to +60° C, natural convection cooling	IP54
60W1 60 W[‡]	701507-60W1	264 mm × 51 mm × 37 mm (10.40 in × 1.99 in × 1.45 in)	100-240 VAC, 50-60 Hz	0.85 A	60 W @ 12 VDC, Class 2 output	Dry, damp, and wet locations	-40° C to +60° C	IP68
60W2E 60 W	701507-60W2E	268 mm × 58 mm × 50 mm (10.55 in × 2.28 in × 1.98 in)	100-240 VAC, 50-60 Hz	0.70 A	60 W @ 12 VDC, Class 2 output	Dry, damp, and wet locations	-40° C to +60° C, Derate to 50% of max load at +70° C	IP68
60W3 60 W	701507-60W3	248 mm × 45 mm × 35 mm (9.76 in × 1.76 in × 1.36 in)	100-240 VAC, 50-60 Hz	0.80 A	60 W @ 12 VDC, Class 2 output	Dry, damp, and wet locations	-40° C to +60° C, Derate to 50% of max load at +70° C	IP68
MOD277 60 W[§]	701507-MOD277	267 mm × 64 mm × 38 mm (10.5 in × 2.5 in × 1.5 in)	277-347 VAC, 50-60 Hz	0.50 A	60 W @ 12 VDC, Class 2 output	Dry, damp, and wet locations	-40° C to +60° C	IP68
MODWE 60 W^{†§}	701507-MODWE	229 mm × 64 mm × 38 mm (9.0 in × 2.5 in × 1.5 in)	100-240 VAC, 50-60 Hz	1.00 A	60 W @ 12 VDC, Class 2 output	Dry, damp, and wet locations	-40° C to +60° C	IP68
120D1 120 W	701507-120D1	244 mm × 56 mm × 43 mm (9.6 in × 2.2 in × 1.7 in)	100-240 VAC, 50-60 Hz	1.70 A	120 W @ 12 VDC, two (2) Class 2 outputs	Dry and damp locations	-40° C to +60° C, natural convection cooling	IP54

24 VDC* – Compatible with SloanLED 24 VDC products

Model	Part number	Dimensions	Nominal input voltage	Max. input current	Power output	Location rating	Operating temperature	Protection class
300T1 300 W	701895-300T1	389 mm × 130 mm × 38 mm (15.3 in × 5.12 in × 1.5 in)	100-277 VAC, 50-60 Hz	4.0 A	3 x 96 W @ 24 VDC, Class 2 output	Dry and damp locations	-40° C to +60° C, derate to 50% of max load at +70° C	IP54
24 VDC 100 W[§] <i>Dry, damp, and wet</i>	701895-24C	260 mm × 44 mm × 30 mm (10.25 in × 1.73 in × 1.19 in)	100-240 VAC, 50-60 Hz	2.0 A	100 W @ 24 VDC, Class 2 output	Dry, damp, and wet locations	-30° C to +60° C	IP68
24 VDC 100 W <i>Dry, damp, and wet</i>	701895-24C1	236 mm × 62 mm × 39 mm (9.29 in × 2.44 in × 1.55 in)	100-240 VAC, 50-60 Hz	1.4 A	100 W @ 24 VDC, Class 2 output	Dry, damp, and wet locations	-40° C to +60° C, derate to 50% of max load at +70° C	IP68
24S1 100 W	701895-24S1	193 mm × 63 mm × 40 mm (7.60 in × 2.48 in × 1.59 in)	100-240 VAC, 50-60 Hz	1.4 A	96 W @ 24 VDC, Class 2 output	Dry and damp locations	-40° C to +60° C	IP64
Compact 24/40 W	410175	163 mm × 43 mm × 32 mm (6.40 in × 1.70 in × 1.26 in)	100-240 VAC, 50-60 Hz	0.6 A	40 W @ 24 VDC, Class 2 output	Dry and damp locations	-40° C to +60° C ambient, derate to 80% of max load at +60° C	IP67

* Configured for Class 2 Output.

† 3rd part independent testing: Approved thermal shock, approved underwater thermal cycling.

‡ Nominally.

§ No longer available.

24 VDC Power Supply (701895-24C) is covered by U.S. and foreign patents pending and covered by one or more of the following U.S. patents issued: 6,776,504, 6,969,179, 7,192,157, 6,932,495, 7,241,031. Self-Contained 20 is covered by U.S. and foreign patents pending and covered by one or more of the following U.S. patents issued: 6,776,504, 6,969,179, 7,192,157, 6,932,495, 7,241,031. MODW is covered by U.S. and foreign patents pending and covered by one or more of the following U.S. patents issued: 6,776,504, 6,969,179, 7,192,157, 6,932,495, 7,241,031. MOD277 is covered by U.S. and foreign patents pending and covered by one or more of the following U.S. patents issued: 6,776,504, 6,969,179, 7,192,157, 6,932,495, 7,241,031.

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Wire Gauge Distance Chart

for Power Limited Tray Cable (PLTC)

When the distance increases between the secondary side of the power supply and the first LED in a letter or the beginning of a tubing run, the gauge or wire needed will change as follows:

Distance from power supply	Wire gauge
0 m (0 ft) to 4.6 m (15 ft)	18 (1 mm ²)
4.6 m (15 ft) to 15.2 m (50 ft)	14 (2.5 mm ²)
15.2 m (50 ft) to 30.5 m (100 ft)	12 (4 mm ²)
30.5 m (100 ft) to 45.7 m (150 ft)	10 (6 mm ²)

Power supply output lead length	
24C1, 24S1, 60W1, 60W2E, 60W3, Compact 24/40, MOD277, & MODWE	1.5 m (5 ft)
60C1, 120D1, and Compact 12/25	203 mm (8 in)
300T1	457 mm (18 in)

12 VDC



24 VDC



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