

# SloanLED Power Supplies

**12  
VDC**

## 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
<b>Self-Contained 20 W</b>	701680	4.65 in × 1.38 in × 1.03 in (118 mm × 35 mm × 26 mm)	100-240 VAC, 50-60 Hz	0.55 A	20 W @ 12 VDC, Class 2 output	Dry and damp locations	-30° C to +60° C	IP67
<b>60C1 60 W</b>	701507-60C1	5.60 in × 1.80 in × 1.30 in (142 mm × 46 mm × 33 mm)	100-277 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
<b>60C2 60 W</b>	701507-60C2	6.26 in × 2.17 in × 1.30 in (159 mm × 55 mm × 33 mm)	100-277 VAC, 50-60 Hz	0.80 A	60 W @ 12 VDC, Class 2 output	Dry and damp locations	-40° C to +60° C, Derate to 50% of max load at +70° C	IP66
<b>60C3 60 W</b>	701507-60C3	5.80 in × 1.80 in × 1.00 in (147 mm × 46 mm × 25 mm)	120-277 VAC, 50-60 Hz	0.80 A	60 W @ 12 VDC, Class 2 output	Dry and damp locations	-40° C to +60° C, Derate to 50% of max load at +70° C	IP64
<b>60C3D 60 W</b> <i>Dimmable</i>	701507-60C3D	5.80 in × 1.80 in × 1.00 in (147 mm × 46 mm × 25 mm)	120-277 VAC, 50-60 Hz	0.80 A	60 W @ 12 VDC, Class 2 output	Dry and damp locations	-40° C to +60° C, Derate to 50% of max load at +70° C	IP64
<b>60W1 60 W†</b>	701507-60W1	10.40 in × 1.99 in × 1.45 in (264 mm × 51 mm × 37 mm)	100-277 VAC, 50-60 Hz	0.70 A	60 W @ 12 VDC, Class 2 output	Dry, damp, and wet locations	-40° C to +60° C	IP68
<b>60W2 60 W†</b>	701507-60W2	10.55 in × 2.28 in × 1.98 in (268 mm × 58 mm × 50 mm)	100-277 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
<b>60W3 60 W</b>	701507-60W3	9.76 in × 1.76 in × 1.36 in (248 mm × 45 mm × 35 mm)	100-277 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
<b>MOD277 60 W‡</b>	701507-MOD277	10.50 in × 2.50 in × 1.50 in (267 mm × 64 mm × 38 mm)	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
<b>MODW 60 W‡</b>	701507-MODW	9.0 in × 2.5 in × 1.5 in (229 mm × 64 mm × 38 mm)	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
<b>120D1 120 W</b>	701507-120D1	9.6 in × 2.2 in × 1.7 in (244 mm × 56 mm × 43 mm)	100-277 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

\* Configured for Class 2 Output.

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

‡ No longer available.

§ Compatible with 701507-60C1, 701507-120D1, and 701936.

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.

## 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 ft (0 m) to 15 ft (4.6 m)	18 (1 mm <sup>2</sup> )
15 ft (4.6 m) to 50 ft (15.2 m)	14 (2.5 mm <sup>2</sup> )
50 ft (15.2 m) to 100 ft (30.5 m)	12 (4 mm <sup>2</sup> )
100 ft (30.5 m) to 150 ft (45.7 m)	10 (6 mm <sup>2</sup> )

Power supply output lead length	
60C3(D), 60W3	12 in (305 mm)
60W1, 60W2‡, MOD277‡, & MODW‡	5 ft (1.5 m)
60C1, 60C2, 120D1, and Compact 12/25	8 in (203 mm)

## Accessories



**Universal Primary  
Wire Enclosure<sup>§</sup>**  
402218

# SloanLED Power Supplies

**24  
VDC**

## Specifications

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
<b>100L1 100 W</b>	701895-100L1	9.5 in × 1.7 in × 1.0 in (241 mm × 43 mm × 25 mm)	120-277 VAC, 50-60 Hz	0.95 A	100 W @ 24 VDC, Class 2 output	Dry and damp locations	-40° C to +60° C, derate to 50% of max load at +60° C	IP54
<b>100L1D 100 W</b> <i>Dimmable</i>	701895-100L1D	9.5 in × 1.7 in × 1.0 in (241 mm × 43 mm × 25 mm)	120-277 VAC, 50-60 Hz	0.95 A	100 W @ 24 VDC, Class 2 output	Dry and damp locations	-40° C to +60° C, derate to 50% of max load at +60° C	IP54
<b>24 VDC 100 W†</b> <i>Dry, damp, and wet</i>	701895-24C	10.25 in × 1.73 in × 1.19 in (260 mm × 44 mm × 30 mm)	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
<b>24 VDC 100 W</b> <i>Dry, damp, and wet</i>	701895-24C1	9.29 in × 2.44 in × 1.55 in (236 mm × 62 mm × 39 mm)	100-277 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
<b>24S1 100 W</b>	701895-24S1	7.60 in × 2.48 in × 1.59 in (193 mm × 63 mm × 40 mm)	100-277 VAC, 50-60 Hz	1.4 A	96 W @ 24 VDC, Class 2 output	Dry and damp locations	-40° C to +60° C	IP64
<b>24S2 100 W</b>	701895-24S2	8.60 in × 1.73 in × 1.14 in (218 mm × 44 mm × 29 mm)	108-277 VAC, 50-60 Hz	1.2 A	96 W @ 24 VDC, Class 2 output	Dry and damp locations	-40° C to +60° C, derate to 50% of max load at +65° C	IP54
<b>24S2D 100 W</b> <i>Dimmable</i>	701895-24S2D	8.60 in × 1.73 in × 1.14 in (218 mm × 44 mm × 29 mm)	108-277 VAC, 50-60 Hz	1.2 A	96 W @ 24 VDC, Class 2 output	Dry and damp locations	-40° C to +60° C, derate to 50% of max load at +65° C	IP54
<b>300T1 300 W</b>	701895-300T1	15.3 in × 5.12 in × 1.5 in (389 mm × 130 mm × 38 mm)	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

\* Configured for Class 2 Output.

† 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.

## 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	Power supply output lead length	
0 ft (0 m) to 15 ft (4.6 m)	18 (1 mm <sup>2</sup> )	24C, 24C1	20 in (508 mm)
15 ft (4.6 m) to 50 ft (15.2 m)	14 (2.5 mm <sup>2</sup> )	24S1, 24S2(D)	18 in (457 mm)
50 ft (15.2 m) to 100 ft (30.5 m)	12 (4 mm <sup>2</sup> )	60S1D, 100L1(D)	12 in (305 mm)
100 ft (30.5 m) to 150 ft (45.7 m)	10 (6 mm <sup>2</sup> )	300T1	18 in (457 mm)

# SloanLED Power Supplies

Safety and compliance

12 VDC



Self-Contained 20 W (701680)



60C1 60 W (701507-60C1)



60C2 60 W (701507-60C2)



60C3(D) 60 W (701507-60C3(D))



60W1 60 W (701507-60W1)



60W2 60 W (701507-60W2)<sup>1</sup>



60W3 60 W (701507-60W3)



MOD277 60 W (701507-MOD277)



MODW 60 W (701507-MODW)



120D1 120 W (701507-120D1)

24 VDC



100L1 100 W (701895-100L1)



100L1D 100 W (701895-100L1D)



24 VDC 100 W Power Supply  
Dry, damp, and wet locations  
(701895-24C)



24 VDC 100 W Power Supply  
Dry, damp, and wet locations  
(701895-24C1)



24 VDC 100 W Power Supply  
Dry and damp locations  
(701936)



24S1 100 W (701895-24S1)



24S2 100 W (701895-24S2)



24S2D 100 W (701895-24S2D)



300T1 300 W Power Supply  
(701895-300T1)

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