

12 VDC 24 VDC

**5**  
YEAR  
Product & Labor  
WARRANTY

# We Brighten Your Brands



## Quantum Power Supplies

IP68-rated drivers  
for sign applications

 **SloanLED**<sup>®</sup>  
Leaders in LED Technology

# A Quantum Leap

in Versatility, Safety, and Reliability

The Quantum Series from SloanLED is a complete suite of IP68-rated power supplies, engineered to deliver quality, power, and reliability in sign applications of all sizes.

**IP68** 12 VDC 24 VDC

- European input voltage: 200-240 VAC, 50-60 Hz
- Auto-resetting – No fuses to replace or circuit breaker to reset – Short circuit protection automatically resets when short condition is corrected
- Simple secondary hook-ups – no minimum load or load balancing required
- White housing and compact design for ease and flexibility in sign application installations
- 5-year product and limited labor warranty

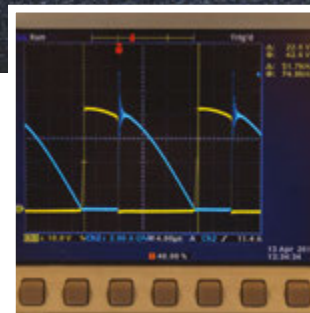


*Small form factor for easy installation*

*Double-insulated cables for greater safety and reliability*



Choose the power supply solution that's right for you:



**12V**

**Quantum 30 W**  
701507-30E1

**Quantum 60 W**  
701507-60E1

**Quantum 150 W**  
701507-150E1

**24V**

**Quantum 30 W**  
701895-30E1

**Quantum 60 W**  
701895-60E1

**Quantum 100 W**  
701895-100E1

**Quantum 150 W**  
701895-150E1



For more information on SloanLED Power Supplies, visit [SloanLED.com](http://SloanLED.com).

# Quantum 12 V Power Supplies

Compatible with SloanLED 12 VDC products

## Specifications



	Quantum 30 W, 12 V 701507-30E1	Quantum 60 W, 12 V 701507-60E1	Quantum 150 W, 12 V 701507-150EB1	
<b>INPUT</b>	<b>Rated input voltage</b>	200-240 VAC	200-240 VAC	200-240 VAC
	<b>Max. input voltage</b>	180-264 VAC	180-264 VAC	180-264 VAC
	<b>Frequency</b>	50 Hz	50 Hz	50 Hz
	<b>Rated input current</b>	0.2 A max.	0.5 A max.	1.1 A max.
	<b>Inrush current</b>	20 A max. @ 240 VAC, 50 Hz	50 A max. @ 240 VAC, 50 Hz	70 A max. @ 240 VAC, 50 Hz
	<b>Efficiency</b>	>88% @ 240 VAC (full-load)	>88% @ 240 VAC (full-load)	>90% @ 240 VAC (full-load)
	<b>Power factor</b>	>0.95 @ 240 VAC (full-load); >0.90 @ 240 VAC (65% load)	>0.95 @ 240 VAC (full-load); >0.90 @ 240 VAC (65% load)	>0.95 @ 240 VAC (full-load); >0.90 @ 240 VAC (65% load)
<b>THD</b>	<20% @ 120-277 VAC (full-load); <20% @ 277 VAC (65% load)	<20% @ 120-277 VAC (full-load); <20% @ 277 VAC (65% load)	<20% @ 120-277 VAC (full-load); <20% @ 277 VAC (65% load)	
<b>OUTPUT</b>	<b>Rated output voltage</b>	12 VDC	12 VDC	12 VDC
	<b>Rated output current</b>	2.5 ADC	5 ADC	Dual outputs (6.25 ADC each)
	<b>Max. output power</b>	30 W	60 W	150 W
	<b>Ripple and noise</b>	2Vp-p	2Vp-p	240 mVp-p
	<b>Line regulation</b>	<1%	<1%	<1%
	<b>Load regulation</b>	<3%	<3%	<3%
<b>PROTECTION</b>	<b>Over current</b>	Yes, auto-recovery	Yes, auto-recovery	Yes, auto-recovery
	<b>Over temperature</b>	Yes, 100° C to 110° C case, auto-recovery	Yes, 100° C to 110° C case, auto-recovery	Yes, 100° C to 110° C case, auto-recovery
	<b>Short circuit</b>	Yes, auto-recovery	Yes, auto-recovery	Yes, auto-recovery
	<b>Surge immunity</b>	Line – Earth → 4 kV Line – Neutral → 2 kV	Line – Earth → 4 kV Line – Neutral → 2 kV	Line – Earth → 4 kV Line – Neutral → 2 kV
<b>ENVIRONMENT</b>	<b>Operating ambient temp.</b>	-40° C to +60° C, derated up to 70° C with 50% of load	-40° C to +60° C, derated up to 70° C with 50% of load	-40° C to +60° C, derated up to 70° C with 50% of load
	<b>Max. case temp.</b>	90° C	90° C	90° C
	<b>Storage temp.</b>	-40° C to +85° C	-40° C to +85° C	-40° C to +85° C
	<b>IP rating</b>	IP68	IP68	IP68
<b>Lifetime</b>	25,000 hours @ +60° C ambient with 100 % load	25,000 hours @ +60° C ambient with 100 % load	25,000 hours @ +60° C ambient with 100 % load	
<b>COMPLIANCE</b>	<b>Safety standard</b>	CE (EN 61347-2-13 : 2014 + A1:2017 ; EN 61347-1 : 2015 )	CE (EN 61347-2-13 : 2014 + A1:2017 ; EN 61347-1 : 2015 )	CE (EN 61347-2-13 : 2014 + A1:2017 ; EN 61347-1 : 2015 )
	<b>EMC/EMI standard</b>	IEC/EN 55015:2019; EN 61000-3-3:2013/A1:2019; EN 61547: 2009/A1:2017	IEC/EN 55015:2019; EN 61000-3-3:2013/A1:2019; EN 61547: 2009/A1:2017	IEC/EN 55015:2019; EN 61000-3-3:2013/A1:2019; EN 61547: 2009/A1:2017
	<b>Harmonic current emission</b>	EN 61000-3-2 : 2019 Class C	EN 61000-3-2 : 2019 Class C	EN 61000-3-2 : 2019 Class C
	<b>Surge</b>	IEC 61000-4-5:2014+A1:2017-CSV	IEC 61000-4-5:2014+A1:2017-CSV	IEC 61000-4-5:2014+A1:2017-CSV
<b>Dimensions L × W × H</b>	202 mm × 44 mm × 33 mm (7.6 in × 1.7 in × 1.3 in)	202 mm × 44 mm × 33 mm (8.0 in × 1.7 in × 1.3 in)	234 mm × 66 mm × 34 mm (9.2 in × 2.6 in × 1.3 in)	

## Safety and compliance.

Safety and environmental impact are important to us, and our power supplies meet stringent safety requirements, and international agency standards.



Quantum 30 W, 12 V (701507-30E1)



Quantum 60 W, 12 V (701507-60E1)



Quantum 150 W, 12 V (701507-150EB1)



Quantum 30 W, 24 V (701895-30E1)



Quantum 60 W, 24 V (701895-60E1)



Quantum 100 W, 24 V (701895-100E1)

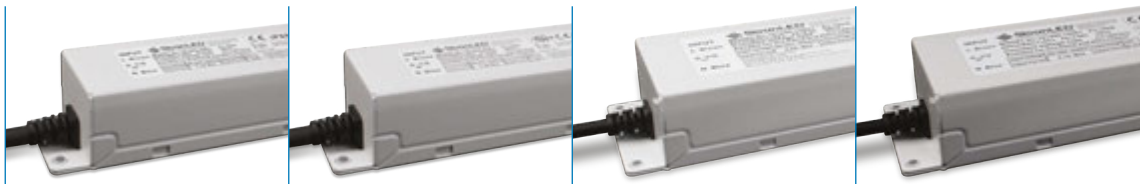


Quantum 150 W, 24 V (701895-150E1)

# Quantum 24 V Power Supplies

Compatible with SloanLED 24 VDC products

## Specifications



	Quantum 30 W, 24 V 701895-30E1	Quantum 60 W, 24 V 701895-60E1	Quantum 100 W, 24 V 701895-100E1	Quantum 150 W, 24 V 701895-150E1	
<b>INPUT</b>	<b>Rated input voltage</b>	200-240 VAC	200-240 VAC	200-240 VAC	200-240 VAC
	<b>Max. input voltage</b>	180-264 VAC	180-264 VAC	180-264 VAC	180-264 VAC
	<b>Frequency</b>	50 Hz	50 Hz	50 Hz	50 Hz
	<b>Rated input current</b>	0.2 A max.	0.5 A max.	0.8 A max.	1.1 A max.
	<b>Inrush current</b>	20 A max. @ 240 VAC, 50 Hz	50 A max. @ 240 VAC, 50 Hz	50 A max. @ 240 VAC, 50 Hz	70 A max. @ 240 VAC, 50 Hz
	<b>Efficiency</b>	>88% @ 240 VAC (full-load)	>88% @ 240 VAC (full-load)	>89% @ 240 VAC (full-load)	>89% @ 240 VAC (full-load)
	<b>Power factor</b>	>0.95 @ 240 VAC (full-load); >0.90 @ 240 VAC (65% load)	>0.95 @ 240 VAC (full-load); >0.90 @ 240 VAC (65% load)	>0.95 @ 240 VAC (full-load); >0.90 @ 240 VAC (65% load)	>0.95 @ 240 VAC (full-load); >0.90 @ 240 VAC (65% load)
<b>THD</b>	<20% @ 120-277 VAC (full-load); <20% @ 277 VAC (65% load)	<20% @ 120-277 VAC (full-load); <20% @ 277 VAC (65% load)	<20% @ 120-277 VAC (full-load); <20% @ 277 VAC (65% load)	<20% @ 120-277 VAC (full-load); <20% @ 277 VAC (65% load)	
<b>OUTPUT</b>	<b>Rated output voltage</b>	24 VDC	24 VDC	24 VDC	24 VDC
	<b>Rated output current</b>	1.25 ADC	2.5 ADC	4.16 ADC	6.25 ADC
	<b>Max. output power</b>	30 W	60 W	100 W	150 W
	<b>Ripple and noise</b>	2Vp-p	2Vp-p	240 mVp-p	240 mVp-p
	<b>Line regulation</b>	<1%	<1%	<1%	<1%
	<b>Load regulation</b>	<3%	<3%	<3%	<3%
<b>PROTECTION</b>	<b>Over current</b>	Yes, auto-recovery	Yes, auto-recovery	Yes, auto-recovery	Yes, auto-recovery
	<b>Over temperature</b>	Yes, 100° C to 110° C case, auto-recovery	Yes, 100° C to 110° C case, auto-recovery	Yes, 100° C to 110° C case, auto-recovery	Yes, 100° C to 110° C case, auto-recovery
	<b>Short circuit</b>	Yes, auto-recovery	Yes, auto-recovery	Yes, auto-recovery	Yes, auto-recovery
	<b>Surge immunity</b>	Line – Earth → 4 kV Line – Neutral → 2 kV	Line – Earth → 4 kV Line – Neutral → 2 kV	Line – Earth → 4 kV Line – Neutral → 2 kV	Line – Earth → 4 kV Line – Neutral → 2 kV
<b>ENVIRONMENT</b>	<b>Operating ambient temp.</b>	-40° C to +60° C, derated up to 70° C with 50% of load	-40° C to +60° C, derated up to 70° C with 50% of load	-40° C to +60° C, derated up to 70° C with 50% of load	-40° C to +60° C, derated up to 70° C with 50% of load
	<b>Max. case temp.</b>	90° C	90° C	90° C	90° C
	<b>Storage temp.</b>	-40° C to +85° C	-40° C to +85° C	-40° C to +85° C	-40° C to +85° C
	<b>IP rating</b>	IP68	IP68	IP68	IP68
	<b>Lifetime</b>	25,000 hours @ +60° C ambient with 100 % load	25,000 hours @ +60° C ambient with 100 % load	25,000 hours @ +60° C ambient with 100 % load	25,000 hours @ +60° C ambient with 100 % load
<b>COMPLIANCE</b>	<b>Safety standard</b>	CE (EN61347-2-13:2014+A1:2017; EN 61347-1:2015)	CE (EN 61347-2-13 : 2014 + A1:2017; EN 61347-1 : 2015)	CE (EN61347-2-13:2014+A1:2017; EN 61347-1:2015)	CE (EN61347-2-13:2014+A1:2017; EN 61347-1:2015)
	<b>EMC/EMI standard</b>	IEC/EN 55015:2019; EN 61000-3-3:2013/ A1:2019; EN 61547: 2009	IEC/EN 55015:2019; EN 61000-3-3:2013/ A1:2019; EN 61547: 2009	IEC/EN 55015:2019; EN 61000-3-3:2013/ A1:2019; EN 61547: 2009	IEC/EN 55015:2019; EN 61000-3-3:2013/ A1:2019; EN 61547: 2009
	<b>Harmonic current emission</b>	IEC/EN 61000-3-2 : 2019 Class C	EN 61000-3-2 : 2019 Class C	EN 61000-3-2 : 2019 Class C	EN 61000-3-2 : 2019 Class C
	<b>Surge</b>	IEC 61000-4-5:2014+A1:2017-CSV	IEC 61000-4-5:2014+A1:2017-CSV	IEC 61000-4-5:2014+A1:2017-CSV	IEC 61000-4-5:2014+A1:2017-CSV
<b>Dimensions</b>	202 mm × 44 mm × 33 mm (7.6 in × 1.7 in × 1.3 in)	202 mm × 44 mm × 33 mm (8.0 in × 1.7 in × 1.3 in)	210 mm × 62 mm × 34 mm (8.3 in × 2.4 in × 1.3 in)	234 mm × 66 mm × 34 mm (9.2 in × 2.6 in × 1.3 in)	

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Specifications subject to change without notice.

