

# 24S2D 100W 24VDC POWER SUPPLY

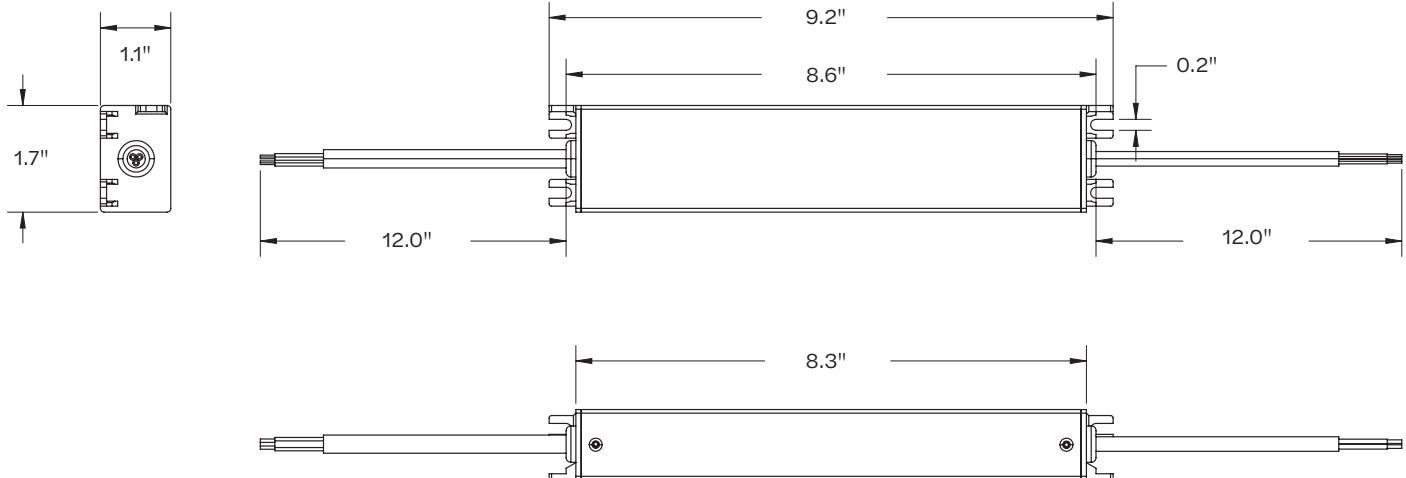
## Specifications

SKU .....	701895-24S2D
Warranty .....	5-year product/5-year limited labor
<b>Performance</b>	
Rated input voltage .....	108-240 VAC, 277 VAC (North America only)
Max. input voltage .....	108-305 VAC
Frequency .....	50-60 Hz
Rated input current .....	1.2 A max.
Inrush current .....	<80 A max. @ 277 VAC, 60 Hz
Efficiency .....	>87% @ 120 VAC >89% @ 240 VAC >89% @ 277 VAC
Power factor .....	>0.95 @ 120-277 VAC (full-load) >0.90 @ 277 VAC (65% load)
THD .....	<20% @ 120-277 Vac (full-load) <20% @ 277 VAC (65% load)
Rated output voltage .....	24 VDC
Rated output current .....	4 ADC
Max. output power .....	96 W
Line regulation .....	<1%
Load regulation .....	<3%



## Dimensions

Weight: 1.17 lbs



## Safety

Over current .....	Yes, auto-recovery
Over temperature .....	Yes, 100° to 110° C case, auto-recovery
Short circuit .....	Yes, auto-recovery
Surge immunity .....	Line – Earth → 4 kV Line – Neutral → 2 kV

## Dimming

Dimming method .....	Integrated 0-10 V, PWM and resistor
Minimum dimming level .....	1%
Current consumption .....	0.1 mA sourcing

## Environmental

IP rating .....	IP54, dry and damp locations only
Maximum case temp. ....	90° C
Operating ambient temp. ....	-40°~+60° C, derated up to 65° C with 50% of load
Storage temp. ....	-40°~+85° C
Lifetime .....	25,000 hours @ +60° C ambient with 100 % load

## Compliance

Safety standard .....	UL879 Class 2, UL879A, CE (EN61347-2-13:2014, EN61347-1:2008)
EMI standard .....	FCC part 15 Class B, EN55015
Harmonic current emission .....	IEC/EN61000-3-2 Class C
Surge .....	IEC/EN61000-4-5



In the end application, the maximum case temperature (Tc) shall not be exceeded 90° C.  
The product is intended for IP64 environment.

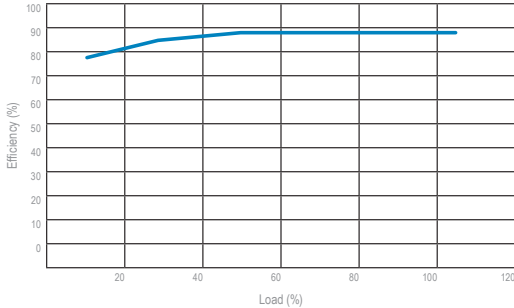
Specifications subject to change without notice.



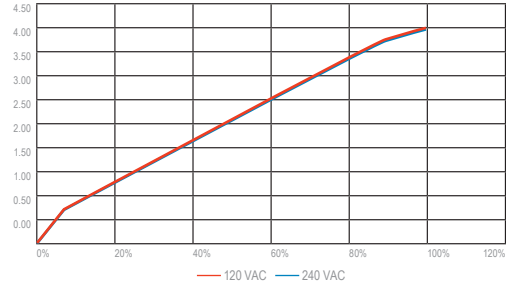
# 60C3D 60W 12VDC POWER SUPPLY

## Efficiency

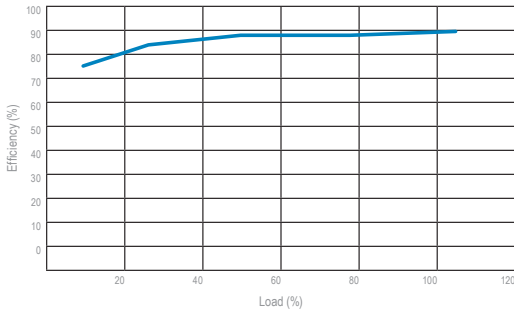
Efficiency vs various loads @ 120 VAC



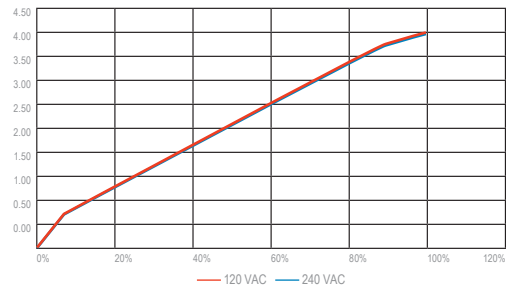
Dimming chart (0-10 V dimming)



Efficiency vs various loads @ 240 VAC



Dimming chart (PWM dimming)



## 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:

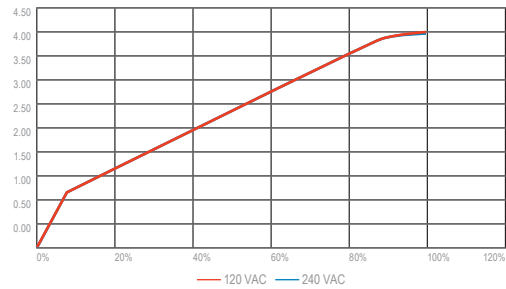
Distance from power supply	Wire gauge
0 to 15 ft	18
15 to 50 ft	14
50 to 100 ft	12
100 to 150 ft	10

Power supply output ..... 18"  
lead length



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Dimming chart (Resistor dimming)



## Wiring Diagram

