



Ultra Slimline U16 Series

U16 60W 12V/24V Standard Input

Signage & Lighting LED Drivers



U16-60-12T | Single Channel 60W, 12V DC Output, Class 2



U16-60-24T | Single Channel 60W, 24V DC Output, Class 2

overview

Bitro Ultra Slimline Series (U16 Series) power supplies are designed to fit into the tightest spaces for signage and architectural applications. The U16 Series was developed to address the need for slimmer power supplies; at 16mm thickness, the U16 Series are the thinnest power supplies in the industry. The ultra-slim form factor allows seamless integration of power supplies and lighting displays, making the U16 Series a unique solution for fabricators and architects.

features

- Compact and Ultra Slim Design to fit into tight spaces in light fixtures and signs
- 90-126VAC 50/60Hz Input
- Dry and damp Listed
- Full load at 60°C (140°F)
- Over-Current, Short Circuit, Over-Voltage and Overheating Protection Features
- Pig-tail to Pig-tail leads
- UL component recognized for Lighting & Signage use
- 5-year Warranty

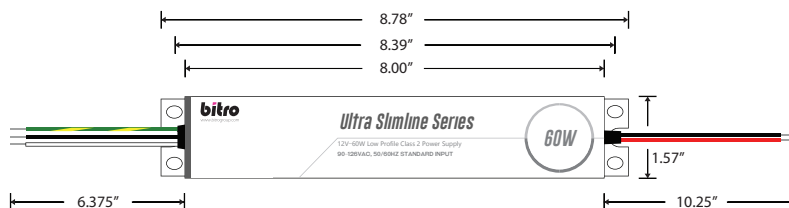
installation

- This unit is intended for installation inside an electrical enclosure.
- Class 2 wiring per NEC Article 725 is required.

dimensions

U16-60 series

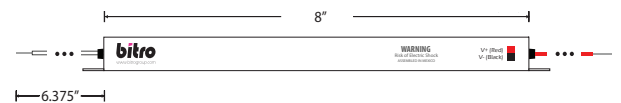
TOP VIEW



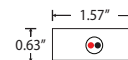
90-126VAC Input
GREEN/YELLOW: GROUND
BLACK: LINE
WHITE: NEUTRAL

12VDC Output
RED: 12V+
BLACK: V-

SIDE VIEW



FRONT VIEW



IP64



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specifications

Model # / SKU	U16-60-12T	U16-60-24T
Description	12V-60W LED Power Supply	24V-60W LED Power Supply
Input Voltage	90~126VAC	90~126VAC
Input Current, Max (A)	0.7A/120V	0.7A/120V
Input Frequency (Hz)	50-60Hz	50-60Hz
Efficiency	>85%	>85%
Output Voltage (V)	12VDC \pm 10%	24VDC \pm 10%
Output Current Range (A)	5.0 Amp Max	2.5 Amp Max
Output Power Max (W)	60 Watts	60 Watts
Protection	Over-Voltage, Over-Current, Overheating and Short Circuit Protection	
EMI and RFI	Meets FCC Part 15 (Class B)	
Load Regulation	\pm 5%	
Operating Temperature*	-4°F to 122°F (-20°C to 50°C) at full load Linearly derates to 60% output up to 176°F (80°C)	
Storage temperature	-40°F to 176°F (-40°C to 80°C)	

Enclosure Dimensions

Length	8.82" (224mm)
Width	1.57" (40mm)
Height	0.66" (16.8mm)
Mounting Length	8.39" (213mm)
Weight	0.46 lbs

Lead Lengths

Input Leads Black, White	6.375" (161.9mm) 18 AWG, Solid, 105°/660V
Output Leads Red, Black	10.25" (260.4mm) 20 AWG, Solid, 80°/300V

layout service

Please email estimate@bitrogroup.com
For prompt layout services, providing scaled & detail drawings.

contact bitro

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