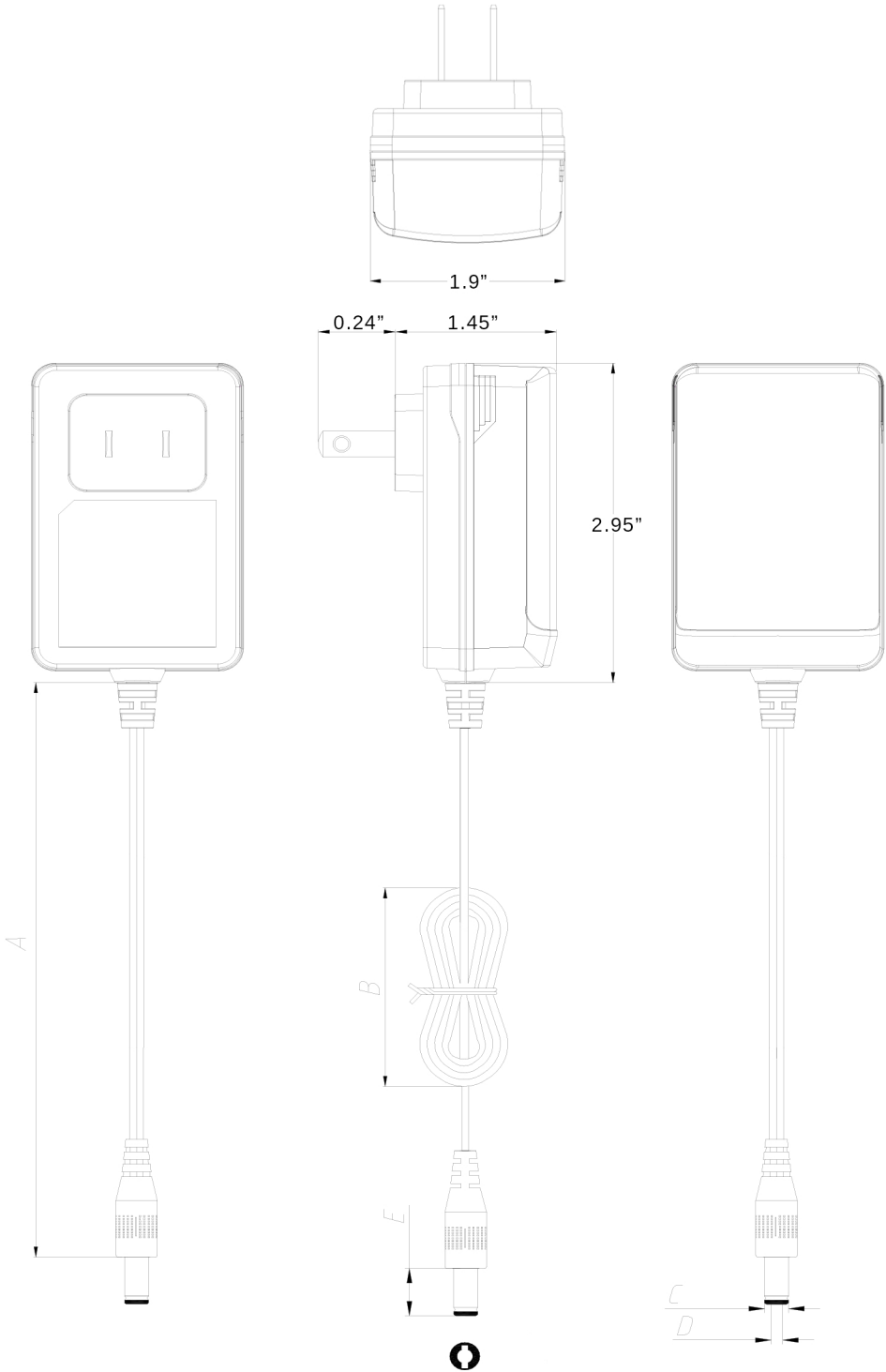


12v Power Supply Dimensions - XY36SR-120200VQ-UW

For Plug-in Vision Series, Plug-in Classic Series, and 1-2-3 Light ArtTrack Systems



Plug-In ArtTrack 4 & 5 Light Power Supply Dimensions

L6R18 Series

Economical and dependable whether powering stationary or portable devices.

This DOE Level VI compliant power supply/charger is rated up to 19W, with plenty of voltage levels to

choose from: 5.0Vdc to 36Vdc (in increments of 0.1V), to match your specific need.

Call us (800-657-0853) for the part number to match your particular need.

Specifications

Input

Input Voltage	• 90 VAC ~ 264 Vac
Input Frequency	• 47 Hz to 63 Hz
No Load Input Power	• $\leq 0.1W$
Input Current	• 1.2A Max.
Inrush Current	• 40A Max.
Leakage Current	• 0.25mA Max.
Input Connection	• US (others available)

Output

Output Voltage Range	• 5.0 ~ 36Vdc
Output Current Range	• 500 - 2100mA, 19.2W Max.
Minimum Load	• No min. load required.
Line Regulation	• $\pm 1\%$ at rated load across input voltage range.
Load Regulation	• $\pm 5\%$
Ripple & Noise	• 240mV p-p Max.
Overvoltage Protection	• Auto recovery
Overload Protection	• Auto recovery
Short Circuit Protection	• Auto recovery

General

Insulation Resistance	• 50M Ω Min.
Efficiency	• Level VI compliant
MTBF	• 50,000 Hrs to MIL-HDBK-217F at +25°C

Environmental

Operating Temperature	• 0°C to 40°C
Operating Humidity	• 5% - 95% RH, Non-Condensing
Storage Temperature	• -20°C to +80°C

EMC & Safety

Safety Approvals	• cULus: UL60950-1
	• CE
EMC Approvals:	• FCC

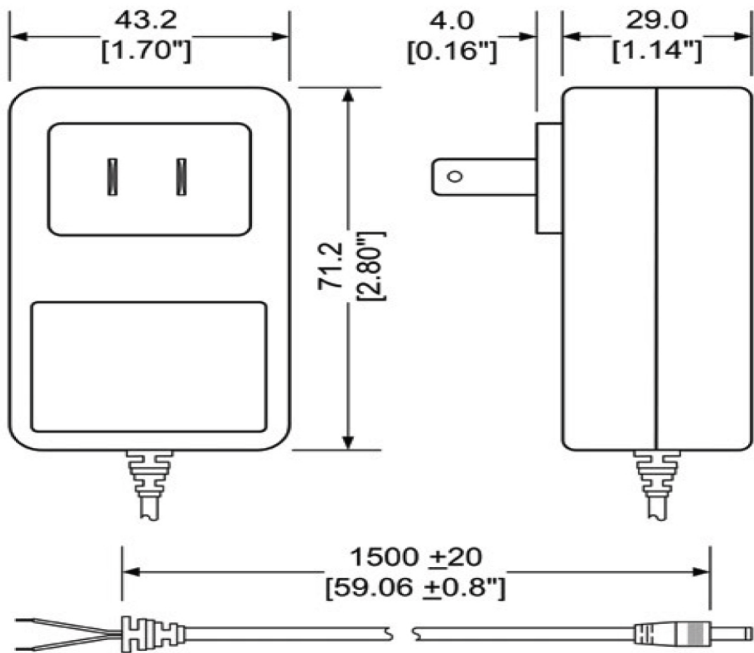
Warranty

Warranty Period	• 1 year
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Dimensions

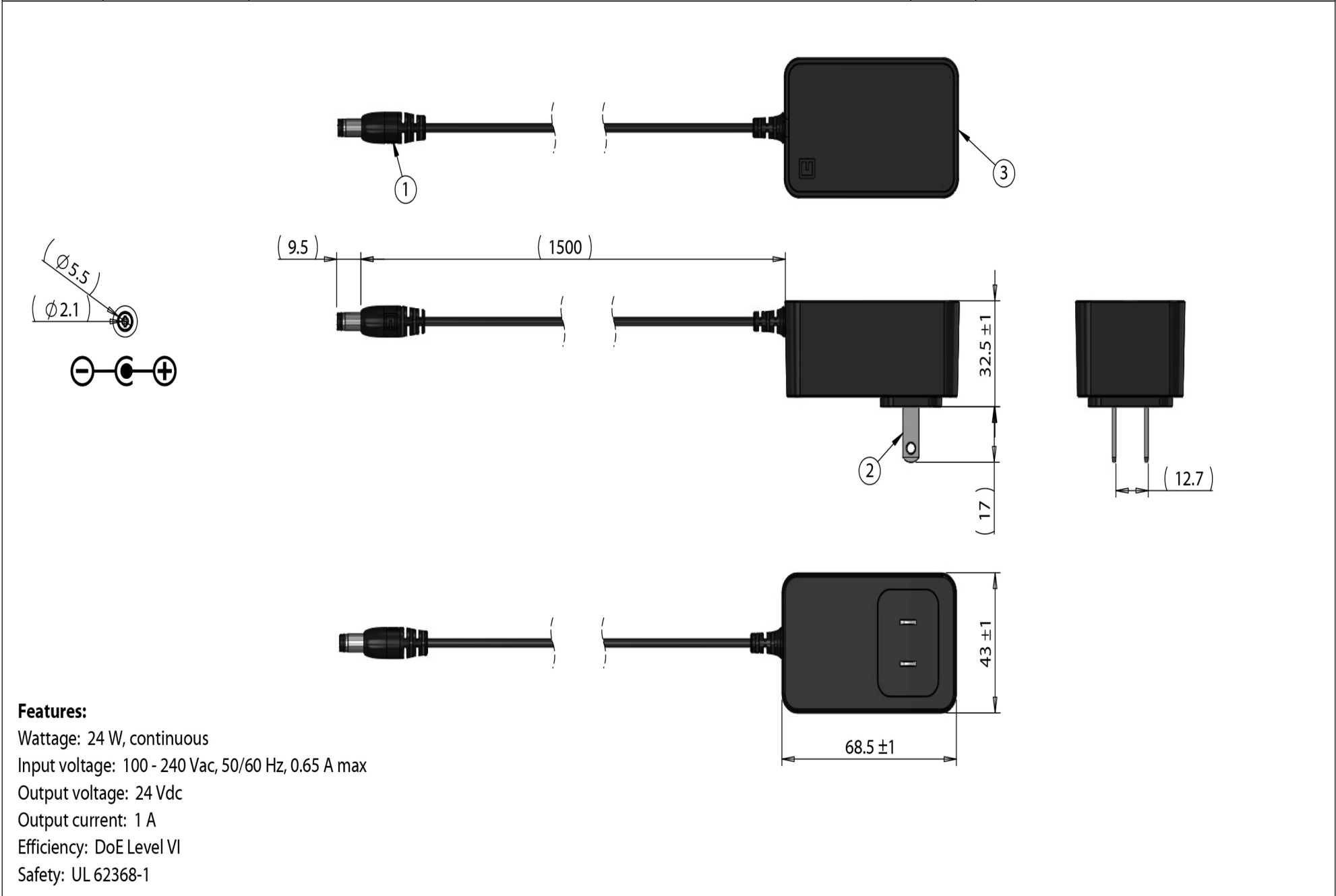
Tolerance	• $\pm 0.2mm$
Size	• 71.2 x 43.2 x 29.0 mm 2.80 x 1.70 x 1.14 Inches
Weight	• Approx. 125g (4.4 oz.)
Connectors	• AC input, US 2-prong inlet plug • DC output, standard 5.5mm x 2.1mm x x 9.5mm corded dc output plug or per customer specification.
Cord length	• 1500 $\pm$ 20 mm (59 $\pm$.8")

Mechanical Drawing



Plug-In ArtTrack 6 & 7 Light Power Supply Dimensions

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.	COMPONENT NOTES
1	10-03171	Cable, 1500 mm, 5.5x2.1x9.5 mm 50-00133 plug to stripped tinned, 24 AWG, 30-00344 wire	1	
2	Nema 1-15 plug	NEMA 1-15 plug, nickel plated	1	
3	26-00002	Case, wall mount, ac-dc power supply, 68.5x43x32.5 mm, NEMA 1-15	1	

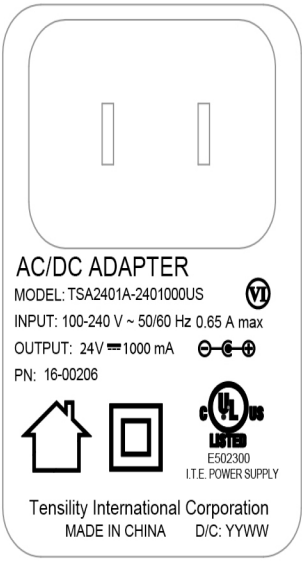


Revision:	Date:	Description:	Prepared:	Notes:	TENSILITY tel 1.541.323.3228 800 877.670.7118 fax 1.541.323.4202 web tensility.com		
A	03/18/2019	Initial release	AW Digitally signed by AW Date: 2019.08.13 11:20:51 -07'00'	RoHS compliant Approvals:			
			Verified: PS Digitally signed by PS Date: 2019.08.14 10:20:33 -07'00'	FC  VI	Size: Part number: A 16-00206		
			Dimensions are in millimeters. Tolerances: X: ± 0.5 mm X.X: ± 0.3 mm X.XX: ± 0.05 mm	Description: Adapter, WP, 120V, US, 2P, 24V 1000 mA, 5.5x2.1x9.5 mm plug, 10-03171 cable, C+, Level VI			

To see a custom version of this power supply, call Tensility at 541-323-3228 or email engineering@tensility.com

Plug-In ArtTrack 6 & 7 Light Power Supply Dimensions Cont.

	Rating	Conditions
Input		
Input voltage	100 - 240 Vac	single phase
Frequency	50 - 60 Hz	
Steady ac current	0.65 A max	100 - 240 Vac
Inrush current	60 A max	240 Vac, cold start
Standby power	0.1 W max	115 or 230 Vac
Output		
No load output voltage	22.8 - 25.2 Vdc	
Full load output voltage	22.8 - 25.2 Vdc	1A
Power	24 Watts continuous	all specified conditions
Ripple voltage	150 mV p-p at 1A	20 MHz bandwidth oscilloscope, terminated with 0.1 µF ceramic capacitor and 10 µF electrolytic capacitor, 25 °C
Over current protection	110 - 200% of max load	
Short circuit protection	input power shutdown, auto-recovery after fault removed	output short
Reliability & Safety		
Leakage current	0.25 mA max	nominal ac input voltage and frequency
Burn-in test	2 hours	45 °C max at normal input voltage and rated load
Efficiency	DoE Level VI, 86.2% min	115 or 230 Vac
MTBF	30,000 hours min	Telecordia SR-332
Hi-Pot (primary to secondary)	3300 Vac, 5 mA max	3 seconds (production testing)
Hi-Pot (primary to secondary)	3000 Vac, 10 mA max	60 seconds (safety testing)
Insulation resistance	100 MΩ, primary to secondary	500 Vdc
Safety testing	UL 62368-1	
Mechanical		
Weight	105 ± 10 g	
Environmental		
Operating temperature	0 to 45 °C	10 - 90% relative humidity
Storage temperature	-25 to 70 °C	5 - 95% relative humidity



Not to Scale

Revision:	Date:	Description:	Prepared:	Notes:	
A	03/18/2019	Initial release	AW	RoHS compliant Approvals:	
			Verified:	FC UL VI	
			Dimensions are in millimeters.	Description:	
			Tolerances:	Adapter, WP, 120V, US, 2P, 24V 1000 mA, 5.5x2.1x9.5 mm plug, 10-03171 cable, C+, Level VI	
			X: ± 0.5 mm	Size: A	
			X.X: ± 0.3 mm	Part number: 16-00206	
			X.XX: ± 0.05 mm	Scale: 1:1	

TENSILITY

tel 1.541.323.3228 800 877.670.7118
fax 1.541.323.4202 web tensility.com



Sheet 2 of 2