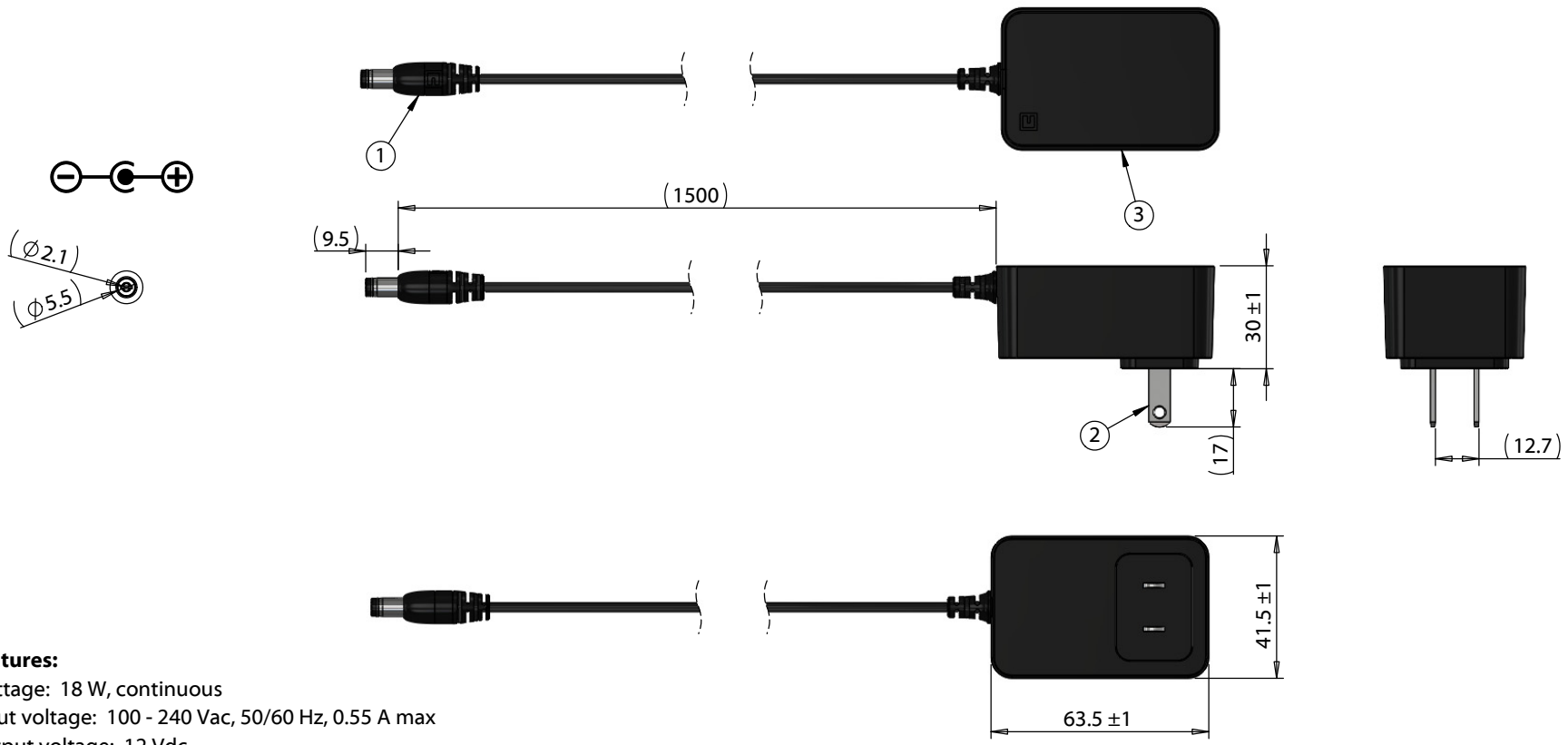
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.	COMPONENT NOTES
1	10-03163	Cable, 1500 mm, 5.5x2.1x9.5 mm 50-00133 plug to stripped tinned, 22 AWG, 30-00341 wire	1	
2	Nema 1-15 plug	NEMA 1-15 plug, nickel plated	1	
3	26-00004	Case, wall mount, ac-dc power supply, 63.5x41.5x30 mm, NEMA 1-15	1	



Features:
Wattage: 18 W, continuous
Input voltage: 100 - 240 Vac, 50/60 Hz, 0.55 A max
Output voltage: 12 Vdc
Output current: 1.5 A
Efficiency: DoE Level VI
Safety: UL 62368-1

Revision:	Date:	Description:
A	3/15/2019	Initial release

Prepared: BL Digitally signed by BL Date: 2023.11.13 09:04:33 -08'00'

Verified: KW Digitally signed by KW Date: 2023.11.13 09:27:53 -08'00'

Dimensions are in millimeters.
Tolerances:
X: ± 0.5 mm
X.X: ± 0.3 mm
X.XX: ± 0.05 mm

Notes:
RoHS compliant
Approvals:

Description:
Adapter, WP, 120V, US, 2P, 12V 1500 mA, 5.5x2.1x9.5 mm plug, 10-03163 cable, C+, Level VI

TENSILITY
tel 1.541.323.3228 800 877.670.7118
fax 1.541.323.4202 web tensility.com

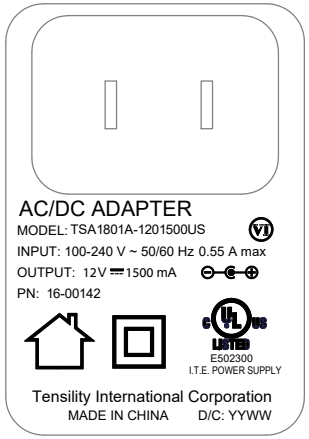
Size: A
Part number: 16-00142
Scale: 1:2
Sheet 1 of 2

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

5 4 3 2 1

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	Rating	Conditions
Input		
Input voltage	100 - 240 Vac	single phase
Frequency	50 - 60 Hz	
Steady ac current	0.55 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	11.4 - 12.6 Vdc	
Full load output voltage	11.4 - 12.6 Vdc	1.5 A
Power	18 Watts continuous	all specified conditions
Ripple voltage	150 mV p-p at 1.5A	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, 85% 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	95 ± 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:
A	3/15/2019	Initial release

Prepared: BL Digitally signed by BL Date: 2023.11.13 09:04:55 -08'00'

Verified: KW Digitally signed by KW Date: 2023.11.13 09:28:03 -08'00'

Dimensions are in millimeters.
Tolerances:
X: ± 0.5 mm
X.X: ± 0.3 mm
X.XX: ± 0.05 mm

Notes:
RoHS compliant
Approvals:

Description:
Adapter, WP, 120V, US, 2P, 12V 1500 mA, 5.5x2.1x9.5 mm plug, 10-03163 cable, C+, Level VI

TENSILITY
tel 1.541.323.3228 800 877.670.7118
fax 1.541.323.4202 web tensility.com

Size: A
Part number: 16-00142
Scale: 1:1
Sheet 2 of 2

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5 4 3 2 1

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