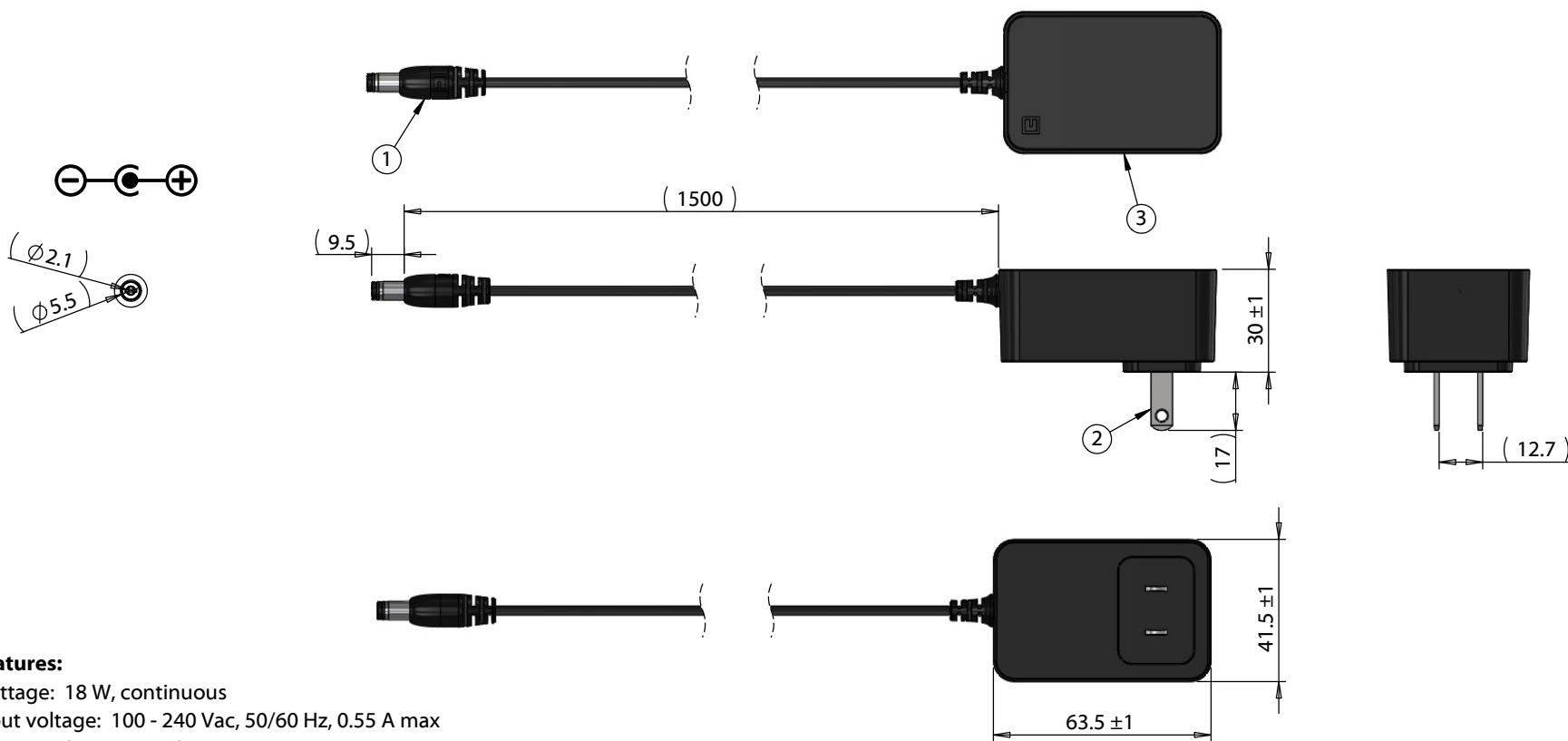


| ITEM NO. | PART NUMBER    | DESCRIPTION  | QTY. | COMPONENT NOTES |
|----------|----------------|--|------|-----------------|
| 1        | 10-03163       | Cable, 1500 mm, 5.5x2.1x9.5 mm 50-00133 plug to stripped tinned, 22 AWG, 30-00341 wire | 1    |                 |
| 2        | Nema 1-15 plug | 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    |                 |

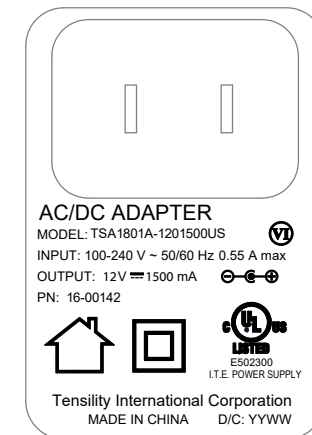


**Features:**

- 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:    | Prepared:  | Notes:<br>RoHS compliant<br>Approvals:<br><br> | <h1>TENSILITY</h1> <p>tel 1.541.323.3228 800 877.670.7118<br/> fax 1.541.323.4202 web tensility.com</p> |
| A   | 3/15/2019 | Initial release | Verified:  |  |   |
|   |           |                 | Dimensions are in millimeters.<br>Tolerances:<br>X: ± 0.5 mm<br>X.X: ± 0.3 mm<br>X.XX: ± 0.05 mm |  |   |
| Description:<br>Adapter, WP, 120V, US, 2P, 12V 1500 mA, 5.5x2.1x9.5 mm plug, 10-03163 cable, C+, Level VI |           |                 |  | Size:<br>A                                     | Part number:<br>16-00142  |
|   |           |                 |  | Scale: 1:2                                     |   |

|                                 | Rating  | Conditions  |
|---------------------------------|---|---|
| <b>Input</b>                    |   |   |
| 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  |
| <b>Output</b>                   |   |   |
| 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 $\mu$ F ceramic capacitor and 10 $\mu$ F 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  |
| <b>Reliability &amp; Safety</b> |   |   |
| 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 M $\Omega$ , primary to secondary                   | 500 Vdc   |
| Safety testing                  | UL 62368-1  |   |
| <b>Mechanical</b>               |   |   |
| Weight                          | 95 $\pm$ 10 g   |   |
| <b>Environmental</b>            |   |   |
| 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:<br>RoHS compliant<br>Approvals:<br>   | <br>tel 1.541.323.3228 800 877.670.7118<br>fax 1.541.323.4202 web tensility.com |
| A         | 3/15/2019 | Initial release | Verified:  |  |   |
|           |           |                 | Dimensions are in millimeters.<br>Tolerances:<br>X: $\pm$ 0.5 mm<br>X.X: $\pm$ 0.3 mm<br>X.XX: $\pm$ 0.05 mm | Description:<br>Adapter, WP, 120V, US, 2P, 12V 1500 mA,<br>5.5x2.1x9.5 mm plug, 10-03163 cable, C+, Level VI | Size: A<br>Part number:<br>16-00142   |
|           |           |                 |  |  | Scale: 1:1  Sheet 2 of 2  |

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