

# POWERBRIDGE

## 2KVA ONLINE UNINTERRUPTIBLE POWER SUPPLY

Astrodyne TDI's uninterruptible power provides High-reliability solutions in critical locations such as laboratories, surgical suites, industrial process equipment, and military systems. The new PowerBridge™ AC UPS system provides backup power for demanding applications in between loss of AC Mains power and facility emergency power ramp up. With an output rating of 2000VA continuous, along with a battery capacity for 2 minutes at full rated power, PowerBridge™ provides a cost-effective solution to assure continuous operation of mission-critical equipment.

### MAIN CHARACTERISTICS:

- ✓ On-line UPS
  - ✓ Continuous AC output **NO GLITCHES**
- ✓ 2MOPP
  - ✓ Eliminates the need for external isolation
- ✓ 2kW output power
- ✓ Embedded Lithium-Ion Battery field replaceable
- ✓ 120W hr high rate LiFePO4

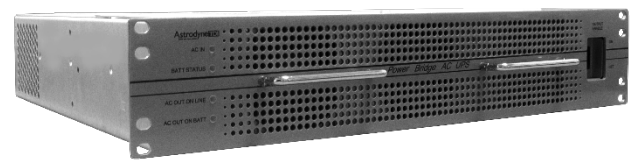
### BENEFITS

#### HIGH RELIABILITY FOR CRITICAL APPLICATIONS

Astrodyne TDI's comprehensive reliability assurance processes, including design to the rigorous requirements of NAVSO P3641A, HALT, DFMEA, and our unique Highly Accelerated Stress Screening (HASS) on 100% of production units, assure the ultimate in unit reliability and performance.

#### HIGH POWER

2kVA Output Power in a 2U high, 19" rack space Run time > 2 minutes at 2kVA, 5 minutes at 1kVA



### FEATURES

#### CONNECTIONS

- AC Input: Panel mount IEC 60320, C20
- AC Output: (4) IEC 60320 C13 duplex outlets
- Remote Control: Ethernet (UPS/SNMP) RJ45
- Equipotential Ground Stud
- Discrete Signals via DB9

#### REAR PANEL CIRCUIT BREAKERS

- Input Circuit Breaker
- (4) Output Circuit Breakers

#### FRONT PANEL INDICATORS:

- AC Input Status
- AC Output Status
- Battery Status
- AC Output Powered by Battery

#### BATTERY CHEMISTRY

Utilizes Lithium-Ion Iron Phosphate battery technology and provides advanced features such as individual cell monitoring and temperature compensation, providing a battery life of up to 10 years.



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PARAMETERS	POWERBRIDGE™
<b>Input AC</b>	90-264VAC
<b>AC Frequency</b>	47-63Hz
<b>Input Current</b>	16A for 120VAC at 1200VA output power 12.4A for 208VAC at 2000VA output power
<b>Power Factor</b>	>.97
<b>Outputs Voltage</b>	120VAC/60Hz pure sine wave
<b>Output Power</b>	1200VA Continuous when operating from 90-132VAC Input 2000VA Continuous when operating from 180-264VAC Input 150% of normal peak rating for up to 10 seconds
<b>Efficiency</b>	>85%
<b>Battery Rating</b>	120W-Hr
<b>Charge Time</b>	< 2 hrs
<b>Protection Features</b>	Recessed from panel switch enables or disables AC Output Rear panel circuit Breaker for input power line
<b>Visual Indicators</b>	Front panel LED's indicate AC Input, AC OUT On-Line, FAULT and BAT STATUS
<b>Operating Temperature</b>	-10 to +50°C
<b>Storage/Transportation</b>	-40 to +85°C
<b>Humidity</b>	0% to 95% non-condensing
<b>Harmonics</b>	Meets EN61000-3-2 Electromagnetic compatibility, Class A
<b>Connections</b>	AC Input: Panel mount IEC 60320, C20 AC Output: 4 x IEC 60320 C13 duplex outlets Ethernet – RJ45 on Rear Panel (UPS Status, Battery Energy available and Battery Test) Equipotential Ground Stud on Rear Panel Optional Discrete Signals via DB9 on Rear Panel
<b>EMC</b>	Radiated and conducted emissions meets EMC IEC60601-1-1-2 4th Edition and FCC Part 15, Subpart A class A, and EN555022, Class A
<b>Dimensions (inches)</b>	19" x 17.04" x 3.47" (482.6 x 432.8 x 88.1mm) 25lbs
<b>Safety</b>	IEC 60601-1 (3.1Ed) 2 MOPP UL 1778 (Uninterruptible Power System)
<b>Cooling</b>	Forced-air-cooled
<b>Warranty</b>	1 Year



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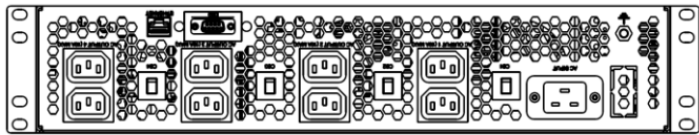
MODEL NUMBER	PART NUMBER	DESCRIPTION
SPS6015-00-LF	T100108558-00-LF	UPS, 2kVA, 4X120VAC
SPS6015-01-LF	T100108558-01-LF	UPS, 2kVA, 4X120VAC (without battery)
SPS6015-02-LF	T100108558-02-LF	UPS, 2kVA, 4X120VAC (with DB9 discrete signals)

\*For other options please contact the factory

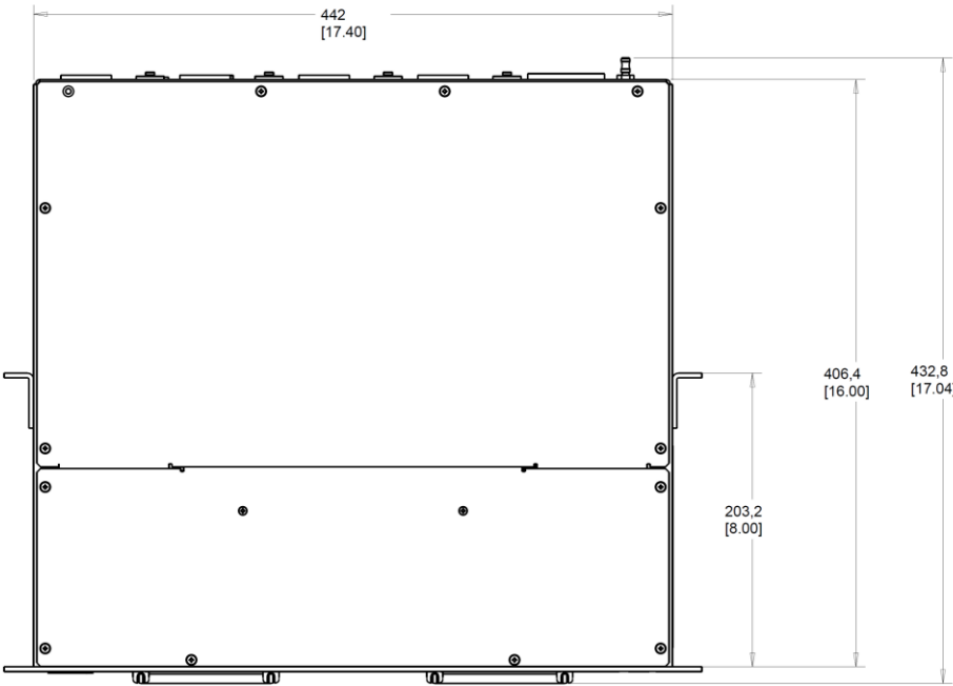
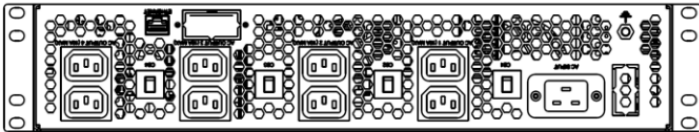
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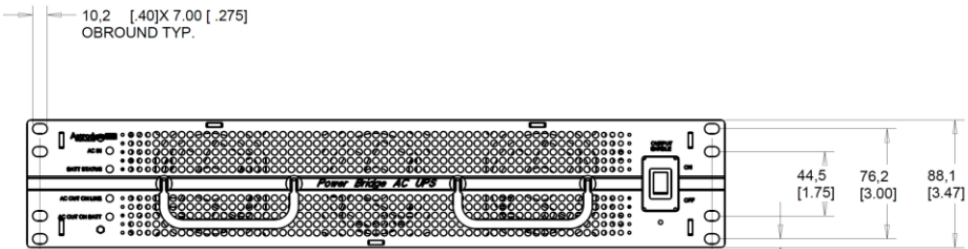
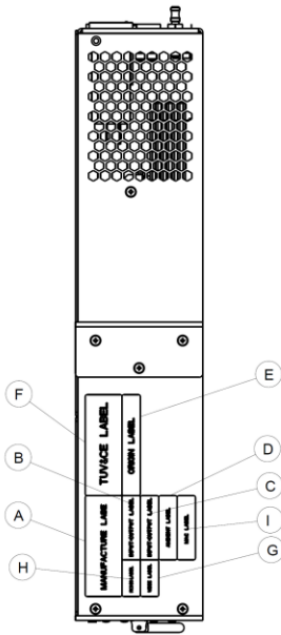
### OUTLINE DRAWING:



Back panel with DB9



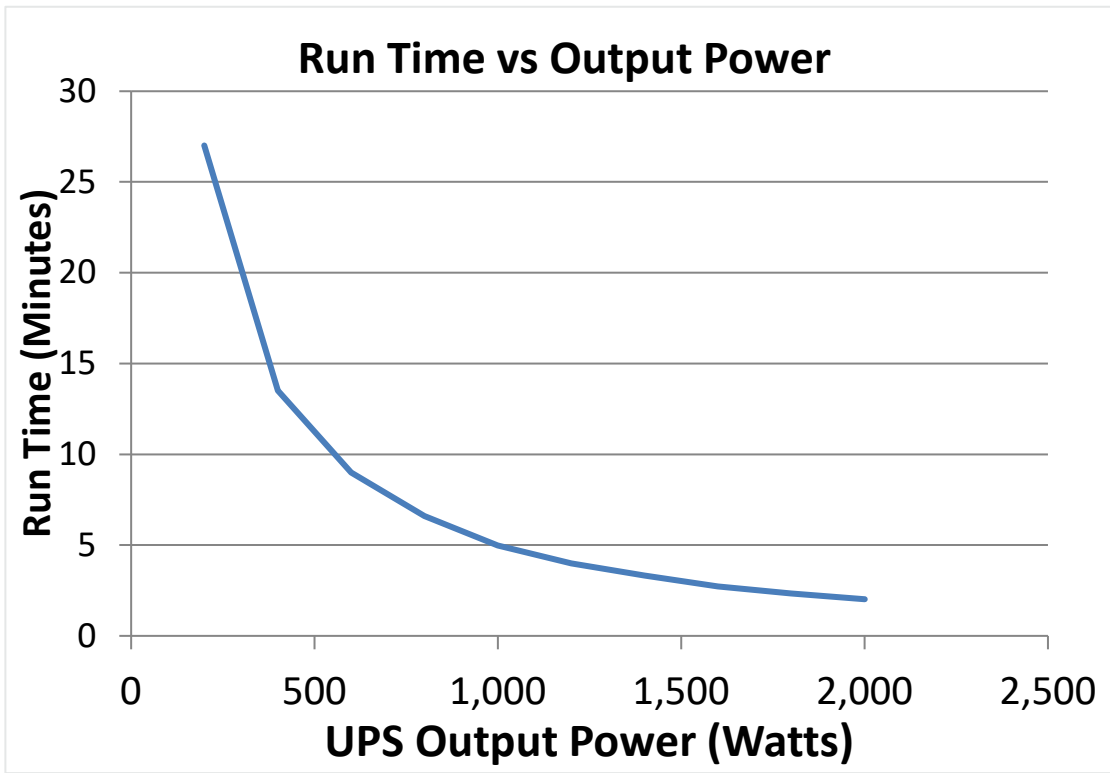
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### RUN TIME:



### OPTIONAL DISCRETE SIGNALS:

