

# 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 ACUPS system provides backup power for demanding applications while facility emergency power ramps up. With an output rating of 2000VA continuous, along with battery capacity for >2 minutes at full rated power, Power Bridge provides a cost effective solution to assure continuous operation of mission-critical equipment.

## Main Characteristics:

- 2 MOPP/ 2 MOOP
  - **No need for the additional isolation transformer**
- On Line UPS
  - Continuous AC Output NO GLITCHES
- 2kW Output Power
- Embedded Lithium Ion Battery - Field Replaceable
- 90W-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, C14
- AC Output: (4) IEC 60320 C13 duplex outlets
- Remote Control: Ethernet (UPS/SNMP) RJ45
- Equipotential Ground Stud

### 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 battery life up to 10 years.

**Astrodyne TDI**  
Now you have power.

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MODEL NUMBER	PART NUMBER	DESCRIPTION
SPS6015-LF	T100108558-LF	UPS, 2kVA, 4X120VAC *For other options please contact the factory

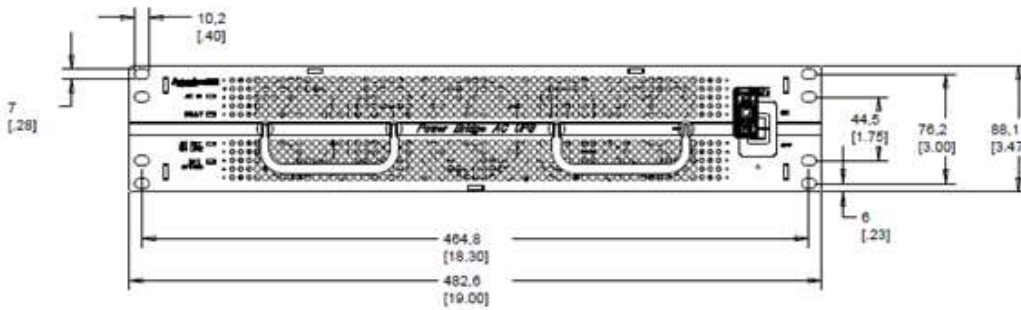
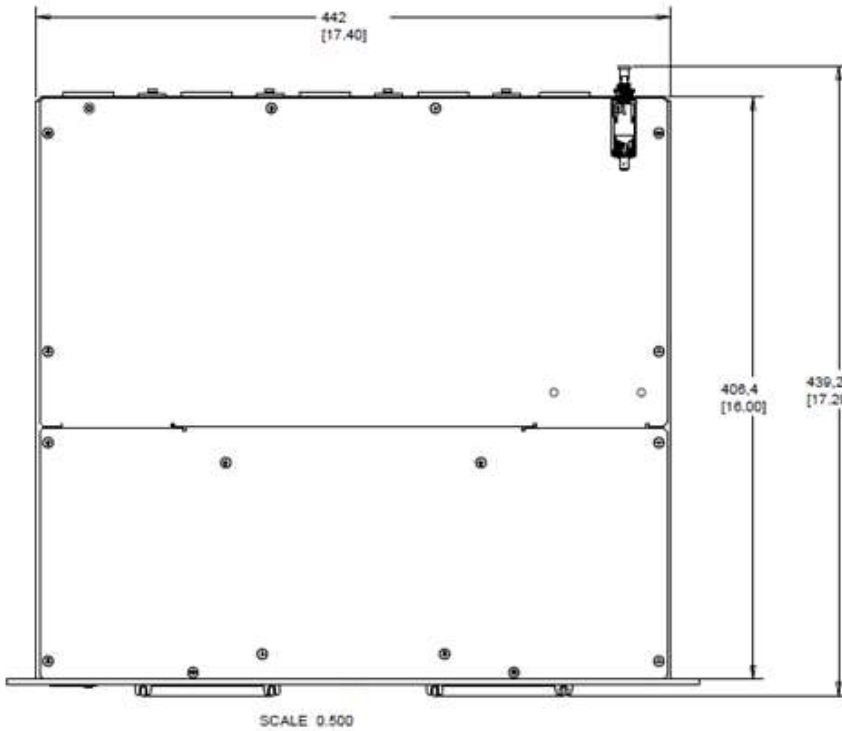
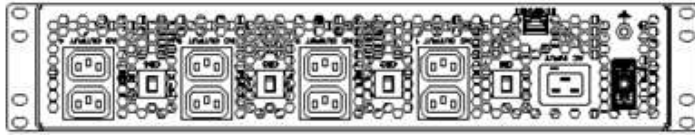
PARAMETER	POWERNODE
Input AC	90-264VAC
AC Frequency	47-63Hz
Input Current	16A for 120VAC at 1600W output power 12.4A for 208VAC at 2000W output power
Power Factor	>.97
Output Voltage	120VAC/60Hz pure sine wave
Output Power	1600VA Continuous when operating from 90-132VAC Input 2000VA Continuous when operating from 180-264VAC Input 3000VA peak (10 sec max) for either input voltage range
Efficiency	>85%
Battery Rating	90W-hr
Charge Time	< 2hrs
Protection Features	Recessed front panel switch enables or disables AC Output Rear panel Circuit Breaker for input power line.
Visual Indicators	Front panel LED's indicate AC Input, AC OUT On Line, FAULT and BAT STATUS
Operating Temperature	-10 to +50°C
Storage/Transportation	-40 to +85°C
Humidity	0% to 95% non-condensing
Harmonics	meets EN61000-3-2 Electromagnetic compatibility, Class A
Connections	AC Input: Panel mount IEC 60320, C14 AC Output: 4 x IEC60320 C13 duplex outlets Ethernet – RJ45 on Rear Panel Equipotential Ground Stud on Rear Panel
EMC	Radiated and conducted emissions meet FCC Part 15, Subpart A class A, and EN555022, Class A
Dimensions (inches)	17.5" x 16" x 3.46" 25lbs
Safety	UL/IEC 60601-1 (3.1 Ed), EMC IEC60601-1-2 4 <sup>th</sup> Edition UL1778 (Uninterruptible Power Systems) Isolation input-output: 3kV (2MOOP)
Cooling	Forced-air-cooled
Warranty	1 Year



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## Module Outline:





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## Run Time:

