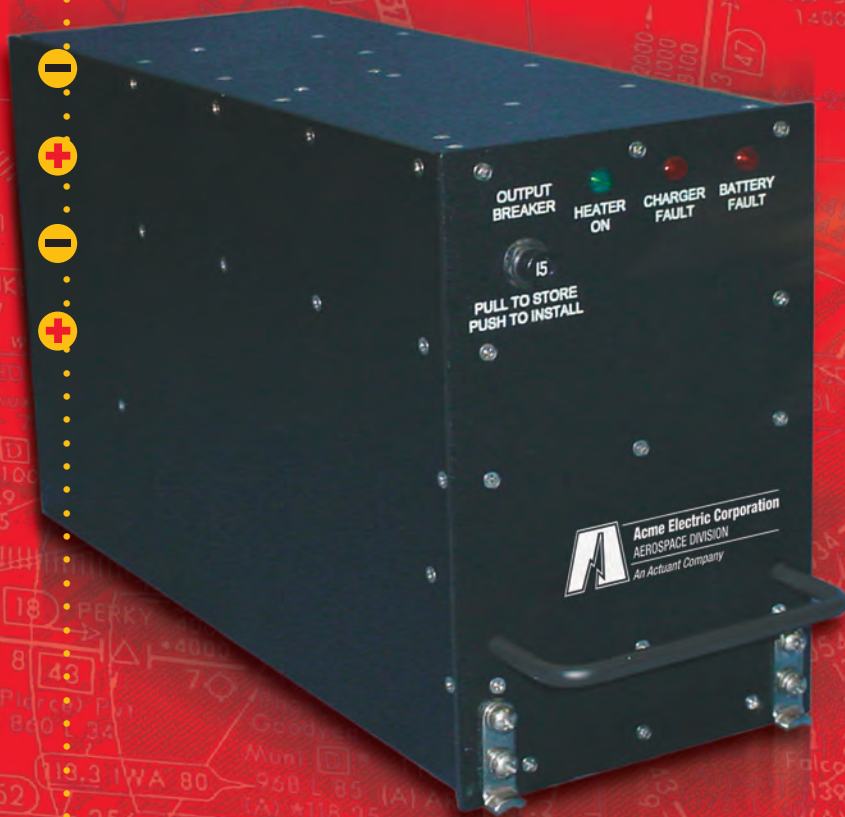


# *Acme NonStop Power*

*for Every Mission*



## ***Self-Contained, Sealed Lead-Acid Battery and Battery Charger Module***

The 2000XL has been PMA approved as a direct replacement for any application using the Acme Aerospace AMPS-2000 (Acme P/N 154BS101-1/2 or P/N 225BS101-1), and all applications using the Securaplane XL246-A. The 2000XL uses a lead acid battery pack to significantly reduce the cost of pack replacements.

The state of the art electronics provide the best in battery charging and protection, and are qualified to the latest revision of DO-160. The 2000XL take reliability and cost to a new level for emergency power supplies! Low initial cost, low pack replacement costs, drop-in compatibility, high reliability, and great dispatch availability are just a few of the reasons to consider this unit.

## ***Airborne Emergency Backup Power Supply***

**AMPS 2000XL  
Battery System  
Part No. 325BS101-1**

ACME AEROSPACE INC.



# AMPS 2000XL Battery System

Part No. 325BS101-1



## Electrical Input

<b>Input Volts:</b>	<b>Normal</b>	<b>Abnormal</b>
Minimum	22.0 VDC	20.5 VDC*
Maximum	30.3 VDC	32.2 VDC
Nominal	28.0 VDC	

\*Note: Non-Latching Shut-off of Charger When Input is Less Than 17.5 VDC

**Input Current:** 15 ADC Maximum Steady State Inrush Limited to 30 Amps Peak

## Electrical Output

<b>Output Power:</b>	200 Watts for 30 Minutes (Min.)
<b>Output Voltage*:</b>	20 VDC for 30 Minutes (Min.)

\* Note: Internal battery is disconnected when completely drained.

## Environment & Qualifications

**Operating Temperature:** -55°C\* to 70° C

\* Notes: 1. Heater Blanket Operation From -55°C\* to 10° C

2. Charger Operates Above 10° C

3. Charger Will Charge Fully Discharged Battery to 80% of Capacity Within 65 Minutes

4. Heat Time From -55°C\* to 10° C is 75 Minutes Maximum

**Qualifications:** Unit is Qualified to DO-160D (Changes 1, 2 and 3) for EMI/EMC, Shock, Vibration, Environmental and Explosive Atmosphere Conditions.

## Dimensions

(ARINC 404A Specifications for – Short ATR Case)

Width: 5.02" Max.      Height: 7.84" Max.      Weight: 18.5 lbs. Max.

Length: 12.62" Max. (Over Case) 15.12" Max. (Over Front Panel)

## Connectors

**Connector:** ARINC DPXBMA-D8-34P-0007

**PIN Assignments:**

#1 No Charge/Fault Indicator (Remote)	#2 Charger Inhibit
#3 Chassis Ground	#4 Battery On Indicator (Remote)
#5 28 VDC Input	#6 Input Return
#7 Output Return (-)	#8 Battery Output (+)

## Indicators/Functions

**Remote:** No Charge/Fault Indicator  
Battery On  
Charger Inhibit

**Front Panel:** Battery Fault (Red LED)  
Charger Fault (Red LED)  
Heater On (Green LED)

**Output Circuit Breaker:**

15 Amps P/N 325BS101-1

10 Amps P/N 325BS101-2

FAA PMA NO. PQ2025NM, Supplement #10



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