

# TI5676 MPU

The Tesla™ TI5676 Micro Power Unit is a complete battery system that incorporates patented power cell technology with an intelligent charging system and ac-dc converter. Currently being flown in the Bell 214ST Helicopter, the TI5676 provides faster, cooler aircraft starts while eliminating the problems normally associated with aviation batteries and battery maintenance. The TI5676 provides more power than comparable NiCd batteries with no risk of thermal runaway. Plus, Tesla™ stands behind the TI5676 with a three-year warranty, a trained support team, and an experienced staff of customer service professionals.



**Power Anytime, Anywhere**

## Features:

- Rated to 3000 peak starting amps
- 24.0 VDC @ 46 amp hours rechargeable power
- 28.5 VDC @ 10 amps continuous power for testing and troubleshooting avionics
- Built in Capacity Meter/Recharge State Indicator
- 5 to 7 year service life with a 3 year warranty
- North American Universal Line Cord included
- Plugs into ac power to recharge cells
- Non-hazardous, dry-cell technology
- Maintenance-free design
- Back-charges off of dc aircraft bus



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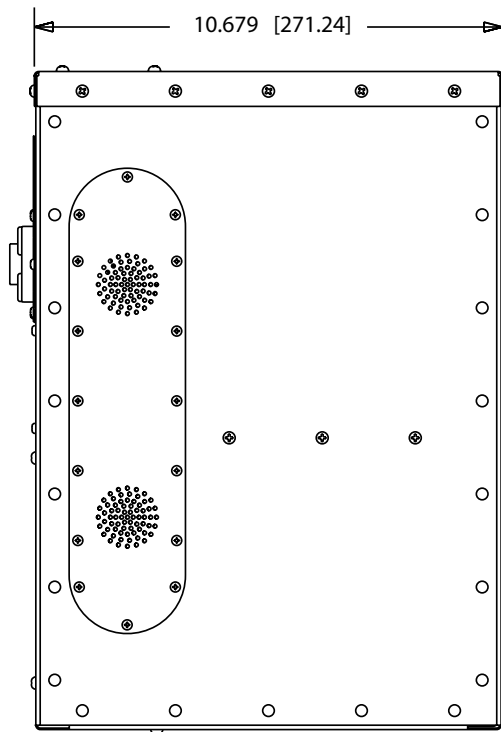


**The POWER  
of  
RED™**

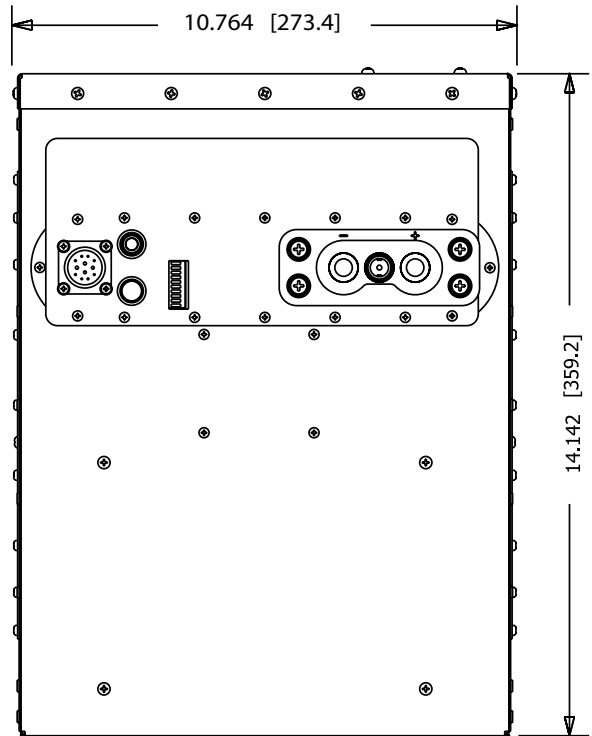


# Dimensions and Technical Specifications

\* All dimensions are in inches [millimeters]



Side View



Front View

## Technical Specifications:

Peak Starting Amps	3000 A
Storage Temperature	-65 °C to +105 °C (-85 °F to 221 °F)
Operating Temperature with AC	-40 °C to +55 °C (-40 °F to 131 °F)
Operating Temperature without AC	-40 °C to +60 °C (-40 °F to 140 °F)
DC Output	10 amps continuous @ 28.5 Vdc
DC Output - rechargeable	46 amp hours (1024 watt hours) 56 amp hours (1309 watt hours) with ac power
AC Input	Operates and charges from single phase 100-260 Vac 45-450 Hz 5.5 amps @ single phase 120 Vac 2.75 amps @ single phase 240 Vac
Recharging Rate	281 minutes @ 25 °C
Shock	50 G
Vibration	Exceeds MIL-STD-810
Weight	97.5 lbs (44.2 kg)



The battery charging system and ac-dc converter are built right into the TI5676 MPU.