

TI4676 MPU-24

NSN: 6140-01-467-5710



The Tesla™ TI4676 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 UH-1, S-61, Falcon 200, AH-1, and the Dauphin, the TI4676 provides faster, cooler aircraft starts while eliminating the problems normally associated with aviation batteries and battery maintenance. The TI4676 provides more power than comparable NiCd batteries with no risk of thermal runaway. Plus, Tesla™ stands behind the TI4676 with a three-year warranty, a trained military support team, and an experienced staff of customer service professionals.

Power Anytime, Anywhere

Features:

- Rated to 1500 peak starting amps
- Maintenance-free design
- 24.0 Vdc @ 23 amp hours rechargeable power
- 10 amps continuous @ 28.5 Vdc for testing and troubleshooting avionics and weapons systems
- 5 to 7 year service life with a 3 year warranty
- Non-hazardous, dry-cell technology
- Built in Capacity Meter/Recharge State Indicator
- Plugs into ac power to recharge cells
- Back-charges off of dc aircraft bus



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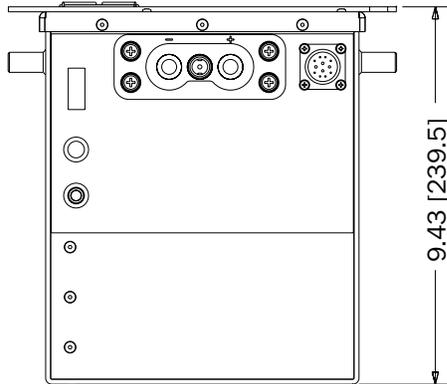


**THE POWER
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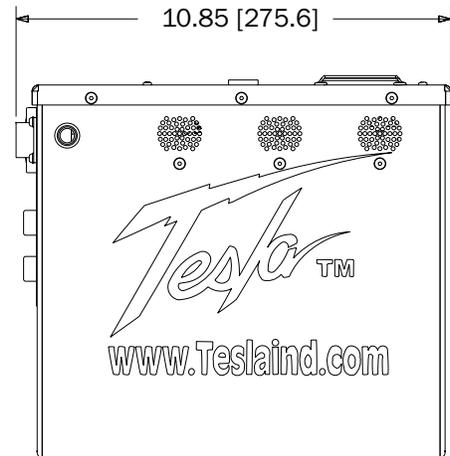


Dimensions and Technical Specifications

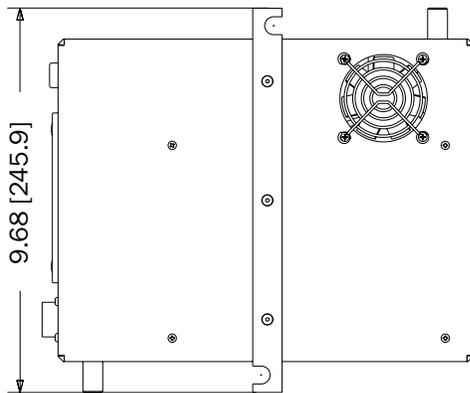
* All dimensions are in inches [millimeters]



Front View



Side View



Top View

Technical Specifications:

Peak Starting Amps	1500 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	24.0 Vdc @ 23 amp hours
AC Input	Operates and charges from Single Phase 100-260 Vac, 45-450 Hz 5.5 amps @ 120 Vac 2.75 amps @ 240 Vac
Recharging Rate	143 minutes (from full discharge) @ 25 °F
Shock	50 G
Vibration	Exceeds MIL-STD-810
Weight	53 lbs (24 kg)
Warranty	3 years

The battery charging system and AC/DC converter are built right into the T14676 MPU.

