



TITAN
Power Systems



Success Story

A highly reliable, easy-to-carry & deploy
Power Supply Unit for Tactical applications





Ambient Operating

-40c - +80c
- F - + f



Thermal Shock



Regulation

461
810



Relative Humidity

IP68

The Challenge

A leading UAV manufacturer was looking for a new solution to power its mobile-Ground Control Station & datalink, in order to stabilize quality issues & high returns from field. The key requirements were:

- Rugged & reliable for field operation at any weather or temperature.
- Fan-less operation to keep high MTBF and avoid maintenance issues
- Resistant to Shock & Vibrations when carried or transferred
- Two isolated power channels for redundancy
- Compact & low weight to keep system easy to carry & deploy users, allowing constant alignment with Customer's development plans and eliminate the power supply design constraints.

Titan Power Systems Modification Solution

Taking advantage of our 50 years of experience designing Rugged & Sealed power solutions, Titan Power systems has designed its most compact high-power AC-DC solution to date.

Titan's 4TH Generation 1.2KW is a Rugged & compact power supply. It weighs less than 9Kg/20Lbs, which makes it very compact and can be easily carried by a single person. Its sealed construction & IP68 (1hour 1meter underwater tested & certified) allows it to be operated outdoor through hard weather conditions including dust & rain.

The Titan 1.2KW provides full power at any input power. It has the ability to divide its power into 2 isolated outputs or a single one.

- It is fully qualified & passed MIL-STD-461F EMC & MIL-STD-810 military Environmental conditions, as well as IEC & The latest EN 62368-1 safety standards.
- Titan T4G is the 4th generation of Rugged, Sealed & fan less family of power supplies ranging from 700W up-to 15kw.
- Cost effective with minimum NRE
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