



FOCUS POWER SUPPLY (FPS)

The Focus Power Supply (FPS) is a drop in replacement for all legacy Triple Power Supplies that exceeds current market capabilities. Its architecture is fully updated with an intricate design that is more robust mechanically and electrically. This design will also fit into smaller pockets than other legacy units. The packaging is a state of the art, co-molded shell with high performance dampening material that greatly reduces the transmission of shock and vibration over current legacy practices. There are two versions of our FPS, a Dual Power Supply (DPS) and a Triple Power Supply (TPS).

Electrical

Batt 2 Switch:

Load Capacity: 5A Peak, 100mA Average, -40°C to 200°C

Output 1: Only Applies to the TPS

5.0VDC +/- .2V for any combination of rated input voltage and rated output load

Output Load: 0A to 0.2A – Continuous, -40°C to 200°C

Overload: Protected against overloads including short circuit, -40°C to 200°C

Recovery: Automated upon removal of overload

Output 2:

12.5VDC +/- 0.3V for any combination of rated input voltage and rated output load

Output Load: 0A to .08A – Continuous, -40°C to 200°C

Overload: Protected against overloads including short circuit, -40°C to 200°C

Recovery: Automated upon removal of overload

Features and Benefits

- Overload and short circuit protection
- Recovery: Automated upon removal of overload
- High-performance dampening material
- -40C to 200C
- 50 Gees, Random, 2 – 200Hz
- 1000 Gees, Half Sine .5ms
- Drop in replacement of legacy units
- Input voltage range (Batt 1, Batt 2)
- 15VDC to 40 VDC – Continuous
- 48 VDC absolute max at 25C
- 25% more energy efficient than other legacy power supplies
- 50% less noise than other legacy systems (Less noise = better accuracy)

Output 3:

-12.5VDC Nominal. This output is a slave to Output 2, tracks value to within .1VDC

Output Load: Must be loaded to .02A in order to meet all output specs, which is automatic when loading any legacy OM

Load Range: .01A to .08A - Continuous, -40°C to 200°C

Overload: Protected against overloads including short circuit, -40°C to 200°C

Recovery: Automated upon removal of overload

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Specifications

Temperature Range	-40°C to 200°C - Operating -70°C to 215°C - Survival
Shock/Vibration	50 Gees, Random, 2-200Hz 1000 Gees, Half Sine, .5mS
Mechanical	Drop In Replacement For All Legacy Systems Dimensions (Including Dampening Shell) L-5.46" x W-1.249" x H-.675"
Electrical	Input Voltage Range (Batt 1, Batt 2) 15VDC to 40VDC - Continuous 48VDC absolute maximum at 25°C