



AJ's Power Source Inc. 1-800-AJPOWER WWW.AJPOWER.COM

3000 Watt Power Supply Systems

MIL-PWRSeries™



Product Overview

AJ's Power Source Inc. (AJPS) Cage Code (0P327) is pleased to announce the release of our new *MIL-PWRSeries™*. This new series is a Ruggedized Military compliant power supply system built for deployment and operations equipment. These units are available to all military, homeland security and government contractors. Built for a Very Low EMI signature and very High Reliability this power system will keep your product up and running for many years to come.

The *MIL-PWRSeries™* is a 1U power system that provides up to 3000 Watts and up to 4 output voltages in a ruggedized system. This system has many unique features such as over voltage, over current, over temperature and short circuit protection. Stainless steel slide rails allow for multiple rack depths and the system has field replaceable filters and fans.

AJPS is a leading supplier of ground and airborne avionics power systems to prime contractors of the Department of Defense, US Government Agencies and its allies. AJPS has been supplying high end custom power solutions to the Navy, Air Force, Army, Marines, and Coast Guard for over 20 years. All of AJPS's operations are monitored and controlled by ISO 9001:2000 base quality system.



MIL-StandardSystems™



AJ's Power Source, Inc.

| power engineering the future



MIL-PWR Series™

ACCESSORIES



Bracket Set

MIL-PWR-MB1A

- Set of Four
- Stainless Steel



Power Cable

MIL-PWR-CB1A

- 10 Feet Long
- EMI Shielded



Fan Assembly

MIL-PWR-FA1A

- Four Fan Set
- Quick Change

MILITARY STANDARDS

MIL-STD-810F

- Humidity
- Altitude
- Sand and Dust
- Shock and Vibration
- Temperature

MIL-STD-461E

- RE101, RE102, CE101, CE102, CE103

MIL-STD-882D

MIL-STD-1472F

MIL-STD-1474D

* Units are designed to meet these standards but, each unit must be tested at system level. Shielded cables and line filters required.

MODEL NUMBER CONFIGURATION

MIL-PWR-V-W-V-W-V-W-V-W

	Voltage	Wattage
A =	3.3	10
B =	5.0	25
C =	7.5	50
D =	9.0	100
E =	12	150
F =	15	300
G =	24	500
H =	28	1000
I =	36	2000
J =	48	3000

Example # 1: Single Output 2000W 12V
Model Number: MIL-PWR-E-I

Example # 2: Dual Output 100W 5V, 500W 24V
Model Number: MIL-PWR-B-D-G-G

Specifications

Item	Unit of Measure	
Input Voltage	VAC	85-264, 47-63Hz
Efficiency	%	85 % Typical
Hold Up Time	mS	>16 mS at 80% Load
Operating Temperature	°C	0 to 50°C Standard or -20 to 70°C Available
Storage Temperature	°C	-20 to 70°C all Modules
Load Regulation	%	1% Standard
Line Regulation	%	1% Standard
Thermal Protection	Standard	Over Temperature Shut down on each Output
Humidity	%	5-95 % Non-Condensing
Altitude	Ft	10,000 Ft
OVP	%	<150% of Rated Output

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