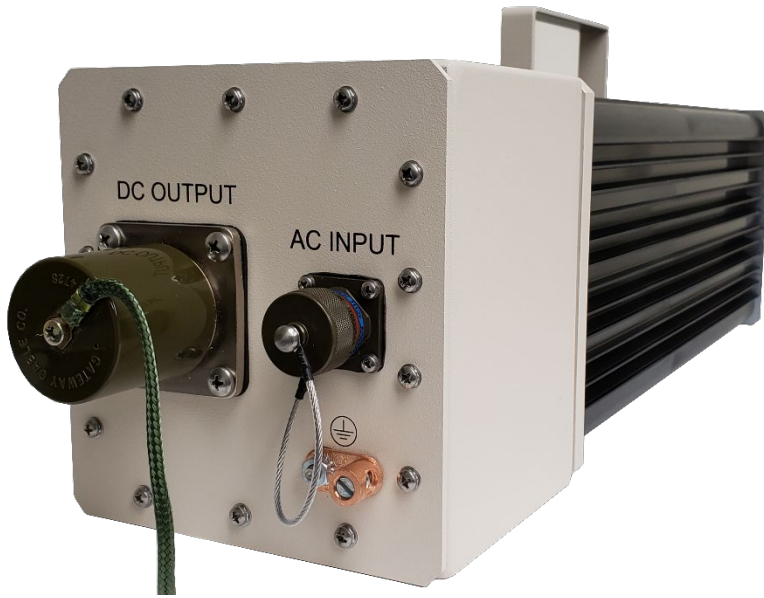


Military Grade ESPM
2500W Environmentally Sealed Power Module



Environmentally Sealed Power Modules (ESPM's) are ideal for industrial or Military applications located in exposed environments. Leveraging Astrodyne TDI's vast experience in addressing aggressive physical environments, these products deliver the highest standards of dependability, reliability and value.

BENEFITS

Reduced System Complexity and Time to Market
Multiple control modes provide ultimate application flexibility.

High Reliability for Critical Applications
Astrodyne TDI's comprehensive reliability assurance processes, including design to the rigorous requirements of NAVSO P3641A, HALT, DFMEA and our unique Highly Accelerated Stress Screening (HASS) on 100% of production units, assure the ultimate in unit reliability and

FEATURES

Environmentally Sealed
AC-DC Rectifier is Environmentally Sealed and ideal for Harsh Environments (IP 67 Protected)

AC Input
180VAC – 265VAC, 47-63Hz

Modular and Scalable
May be paralleled with other like units for increased system output

Constant Current Output Control
Externally Adjustable – provides stable current independent of changes in Environmental Conditions

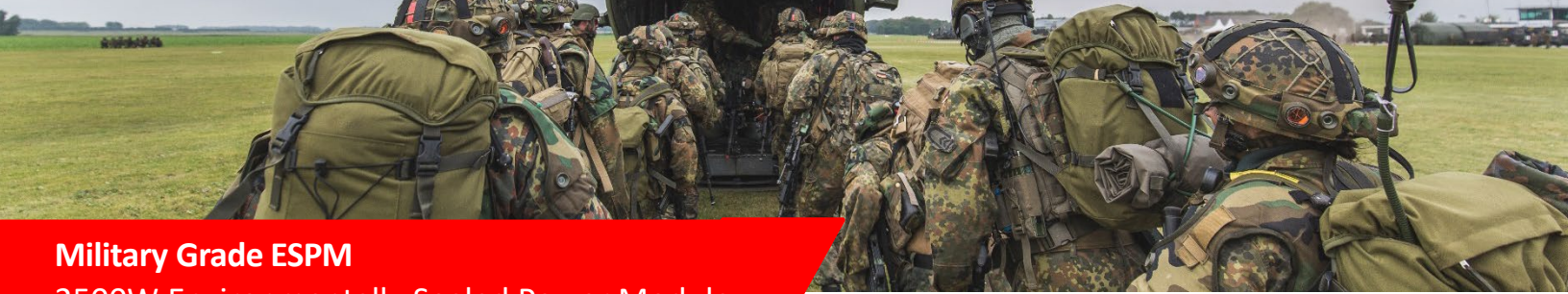
No Fans Required
Electronics are submerged in oil, providing superior heat conduction to convection cooling fins



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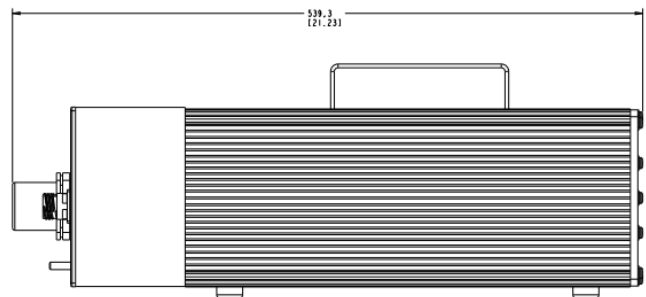
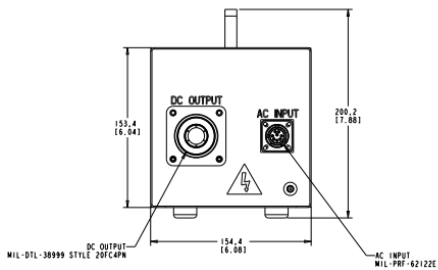
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Military Grade ESPM
2500W Environmentally Sealed Power Module

PARAMETER	ESPM
Input AC	180-265VAC
AC Frequency	47-63Hz
Max Input Current	17A
Power Factor	>.97 above 50% maximum rated load
Outputs, DC	0-50V at I up to 50A 0-25V at I up to 100A
Output Power	2,500 W Maximum
Efficiency	>80%
Ripple/Noise	<1% of nominal output voltage
Line Regulation	+/-0.25% of nominal output voltage
Turn On Delay	<5 seconds
Protection Features	Output Over-Voltage: Shutdown at 120% maximum rated output voltage Output Over-Current: Electronic Constant Current Control Over-Temperature: Over-Temperature Shut Down with Automatic Recovery
Operating Temperature	-40 to +55°C (full rated)
Storage/Transportation	-40 to +85°C
Humidity	0% to 100% non-condensing
Salt Fog:	MIL-STD 810C, Method 509.1
Vibration (Operating)	MIL-STD 810G
EMI:	MIL-STD-461E
Dimensions (inches)	7.76" x 8.74" x 15.51" 32.8lbs
Certifications	ROHS Compliant
Cooling	Convection Cooled



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