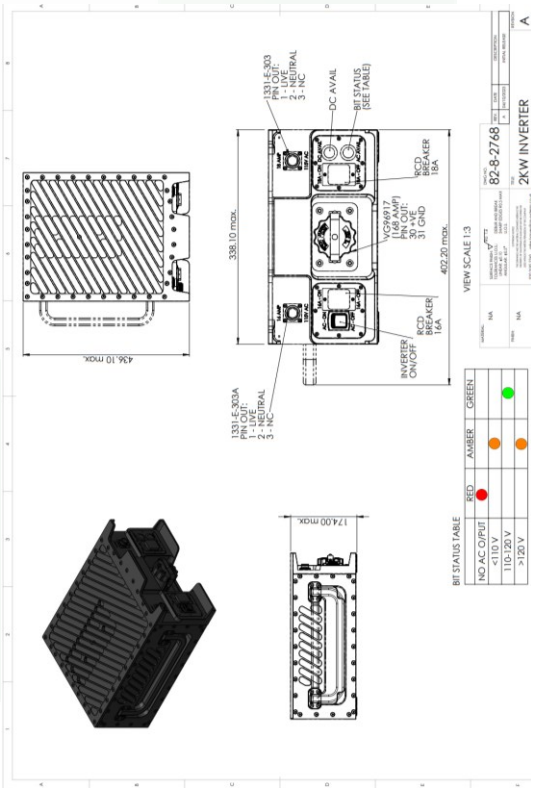
The avanta Mil is a MIL-STD 461 compliant power supply. With wide range 18 to 38V DC inputs, the **AVMIL-UC-700-28** will provide a pure sine wave 110V output with 2kW of power.

EMI filtering to MIL-STD 461F ensures the unit is suitable for all situations.

The inverter operates in temperatures from –40C to +55C

IP67 rated, and environmentally tested to MIL-STD 810G, the inverter is perfect for all applications, and is man portable.

Benefit	Feature
No need for additional filters	EMC to MIL-STD 461G Reverse Polarity Protection
Simple to cool	Convection cooled
Use it anywhere	Man-portable Aerospace compliant Land compliant Marine compliant
Easy to integrate	Stocked connectors
Available off the shelf	Distributor stocked



Input	
Input Voltage	18 to 36VDC
Input Protection	Mil-Std 704E | DEF-STAN 61-5 part 6 issue 6 | MIL-STD 1275E
Input to Output Isolation	3000 VAC RMS Test Voltage
Input to Case Isolation	1500 VAC RMS Test Voltage
Output to Case Isolation	500V RMS
Input Connector	2-pin NATO Connector; VG96917
General	
Overall Efficiency	>85% Typical
MTBF	150,000 Hours (calculated)
Output	
	2 output sockets
Output Power	2,000W Total
Output Voltage	110VAC
Output 1	16A
Output 2	18A
Output Regulation	+/- 2%
Output Protection	Resettable Circuit Breaker
Overvoltage Protection	
Overcurrent Protection	110 to 115%
Output Connector Type 1	1331-E-303A
Output Connector Type 2	1331-E-303
Environmental	
Operating Temperature	-40C to +55C
Environment	CARC | IRR | IP67 | Lightning Protection | Sand | Dust | Snow | Ice
Vibration	Mil-Std 810E Method 514.3 Category 1 (Designed to Meet) Mil-Std 810E Method 514.4 Category 3 (Designed to Meet)
Shock	Mil-Std 810E Method 516.3 Procedure I (Designed to Meet)
EMI	Mil-Std 461E Part 1 & 2 CE101 | CE102 | CS101 | CS106 | CS114 | CS115 | CS116 | RE101 | RE102 | RS101 | RS103
Indicators	
Input	DC Available
BIT	AC Output Available | AC Output in Regulation
Mechanical	
Dimensions	436mm x 174mm x 338mm (L x H x W)
Weight	17Kg
Cooling	Natural Convection