



## MIL-STD Power and Networking for Military Ground Vehicles

Designed to meet or exceed MIL-STD-1275, DEF STAN 61-5, MIL-STD-461 and MIL-STD-810

Proudly serving the military ground vehicle industry, Enercon's power and networking solutions are designed to ensure consistent performance in harsh climates, varying temperatures, and unique shock and vibration conditions.

With over 40 years of experience, Enercon's design engineers have the expertise to deliver light-weight;

- Power modules
- PDU's
- Ethernet switches
- Routers
- Media converters

Designed to pass qualifications the first time, Enercon's solutions consistently provide mission-ready performance for combat vehicles and UGVs.

### Standard Power Features

- SWaP (size, weight and power)
- Rugged mechanical design
- Wide DC input range: 6V-100V
- Experience in High Voltage Architectures (600VDC)
- Power management capabilities including communication interfaces
- PDU units feature Surge immunity of 100V
- Can be designed per sealed enclosure (IP67)
- Design to meet: MIL-STD-1275, DEF STAN 61-5, MIL-STD-810, MIL-STD-704, MIL-STD-461 Standards

### Standard Networking Features






- SWaP (size, weight and power)
- Rugged mechanical design
- VICTORY Architecture Compliant and Tested Solutions
- Layer 2 and Layer 3 capabilities
- Management capabilities
- The latest networking and security protocols
- PoE (power over Ethernet) support
- Design to meet: MIL-STD-1275, MIL-STD-810, MIL-STD-704, MIL-STD-461, IP67 Standards





Working together, APC and Enercon Technologies routinely succeed where others have failed. Put our team to the test with your next power or networking project. We will deliver an exceptional product, backed by high-quality service, to satisfy the most difficult military application needs.

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## Power Conversion Solutions

Model	Description	Input	Dimensions
 M7525	800W DC-DC Power Supply	18-48V Ext. option: 12-100V	58.5mm X 117.86mm X 29.21mm 1kg
 M7019	100W DC-DC Power Supply	18-48V Ext. option: 6-100V	82.8mm X 46.48mm X 18.29mm 134g
 M7027	500W DC-DC Power Supply	18-48V Ext. option: 12-100V	134.87mm X 70.1mm X 20.57mm 400g
 M7029	300W DC-DC Power Supply	18-48V Ext. option: 12-100V	95.25mm X 70.1mm X 20.57mm 300g
 M7338	600W DC-DC Power Supply	18-48V Ext. option: 12-100V	155.19mm X 120.65mm X 17.78mm 510g

## Power Management Solutions

Model	Description	Input	Dimensions
 M9517	16 Channels 200A CANBUS communication interface	6-33VDC	259.08mm X 117.86mm X 24.13mm 1.5kg
 M9547	16 Channels 200A Ethernet communication interface	16-40VDC	293.12mm X 63.5mm X 158.75mm 4kg

## Networking Solutions

Model	Ports/Speed	L2/L3 Routing	Input	Dimensions
 MILTECH 918	8 port x 1G Ethernet	L2	24VDC (16 - 36VDC) 8W	100mm X 89mm X 36mm 390g
 MILTECH 908	8 port x 1G Ethernet	L2	24VDC (18 - 32VDC) 7W	269mm X 132.9mm X 71.7mm 1.5Kg
 MILTECH 910-PoE	8 port x 1G Ethernet + PoE	L2	24VDC (18 - 32VDC) 330W	269mm X 133mm X 71mm 1.2kg
 MILTECH 912	12 port x 1G Ethernet	L2	24VDC (16 - 36VDC) 7W	178.1mm X 136mm X 47.1mm 1150g
 MILTECH 9012	12 port x 1G Ethernet	L3	24VDC (18 - 70VDC) 13W	166.4mm X 144mm X 56mm 1.1kg
 MILTECH 9012C	12 port x 1G 4 x 1/10G F/O Ethernet with CISCO ESR	L3	24VDC (18 - 72VDC) 25W	166mm X 144mm X 68mm 1.1kg
 MILTECH 9022	12 port x 1G 4 x 1/10G F/O Ethernet	L3	24VDC (18 - 32VDC) Or 220VAC (90 - 230VAC) 20W	482mm X 242mm X 44mm 3.1kg
 MILTECH 9028	24 port x 1G 4 x 1/10G F/O Ethernet	L3	24VDC (18 - 32VDC) Or 220VAC (90 - 230VAC) 30W	483mm X 284mm X 88.6mm 5.5kg

For a complete range of Enercon's power and networking solutions, visit [www.apctech.com](http://www.apctech.com)