

MERLIN M-POWER DC-DC CONVERTERS

Merlin's M-Power DC-DC Converters provide reliable 12V and 24V voltage conversion for vehicles and boats, boasting low ripple, regulated outputs for various electrical loads.

Merlin M-Power DC to DC Converters offer reliable 12 and 24-volt voltage conversion for vehicle and boat systems, featuring low ripple, regulated outputs for compatibility with diverse electrical loads. Built to endure harsh conditions, they sport corrosion-resistant aluminum cases, user-friendly threaded terminals, and accessible solid-state circuit repair. Models cater to various output current levels and support both 24 to 12-volt and 12 to 24-volt DC conversions.

- **Advanced protection against** overvoltage and reverse polarity.
- **Expert design with a** corrosion-resistant case designed to withstand severe environments.
- **Wide compatibility due to the low** ripple, regulated DC outputs.



PART #	04-8520
12 VOLT INPUT	
INPUT VOLTAGE RANGE	11.4VDC TO 20VDC
MINIMUM START VOLTAGE	12.5VDC
INPUT AMPS	100 AMPS MAX
24 VOLT OUPUT	
OUTPUT VOLTAGE	27.5VDC
OUTPUT CAPACITY (AMPS)	0 TO 45AMPS
AMBIENT TEMPERATURE	
OPERATING RANGE	-40°C to+ 85°C
OPERATING AT FULL LOAD	-40°C to+ 55°C
COMPLIANCE	
EMISSIONS	FCC B 30 MHz - 1 GHz NAVY FIXED AND AIR FORCE 50 MHz - 1 GHz
VIBRATION	MIL STD 202F, METHOD 204D, TEST CONDITION A
ENCLOSURE	
WEIGHT (KG)	2.8
DIMENSIONS (MM)	10.7 X 8.5 X 2.5
ENVIRONMENTAL CONSIDERATIONS	ANODIZED ALUMINUM ENCLOSURE PROVIDES PROTECTION AGAINST SALT, FUNGUS, DUST, WATER, FUEL VAPORS AND ALL FLUIDS ASSOCIATED WITH COMMERCIAL AND OFF-HIGHWAY VEHICLE OPERATIONS. CONTINUOUS EXPOSURE TO SPLASHES AND SPILLS SHOULD BE AVOIDED.