



# Ablemail Electronics

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## AMN12-24-12

### DESCRIPTION

AMN 12-24-12 is a water resistant switching type voltage converter intended for use on vehicles with a 12V electrical system to power accessories designed for use on a 24V vehicle. The unit can deliver 12A continuous and 15A intermittent output load current and has output overload and over temperature protection with a fully automatic reset. The 12V input and 24V outputs share a common negative. The unit is assembled in an aluminium extruded case and features a high efficiency converter, with thermal protection. The extruded aluminium case and the fact that the unit is encapsulated in silicon rubber allows for reliable operation in harsh vehicle environments and areas of high ambient temperatures. The AMN 12-24-12 is half the size and weight of the AMI12-24-12.

### EMC

Type approved to 72/245/EEC as last amended by 95/54/EC.

### INPUT VOLTAGE

12 Volt nominal vehicle supply (10-15 volts).

### OUTPUT VOLTAGE

24V  $\pm 5\%$  @ 12A

### OUTPUT LOAD CURRENT

12A continuous 15A intermittent.

### NO LOAD INPUT CURRENT

Maximum 150mA typical 60mA @ 12V input.

### PROTECTION

Output overload and over temperature protection with fully automatic reset.

### OPERATING TEMPERATURE

Maximum 70°C. Minimum -30°C

### SIZE AND WEIGHT

Length: 150mm Height: 39mm Width: 62mm  
540g

### CONNECTIONS

200mm flying leads of thin wall auto cable

12V Input	
Positive	red
24V Output	
Positive	blue
Common	black

