

POWER SOLUTIONS

VOLTAGE REGULATOR



The voltage regulator operates in a 24 V DC automotive electrical system providing a safe 12 V output for 12 V equipment. It is a low noise voltage regulator designed for use with sensitive radio communications equipment. The maximum output is 20 Amps. The conversion efficiency at full load is more than 90%.

PROTECTION

The voltage regulator is not harmed by voltage spikes, continuous overload, short circuit or any incorrect connection. In the event of an overload or short circuit, the regulator will reduce output voltage or switch off, resetting automatically when the overload or short is removed.

The load is protected by an independent over-voltage protection circuit. All protection is fully electronic and does not rely on relays or a fuse.

The internal electronics are fully potted in silicone to protect against water and dust ingress as well as vibration and shock.

Please note that this product is not designed to be used as a battery charger.

SPECIFICATIONS

Male connectors

Red: 24 V Input
Black: negative ground

Female connectors

Red: 12 V Output
Black: negative ground (this wire must be grounded)

Cooling

The unit should be mounted in a cool sheltered location. If it is to be operated at or near its full rating, it should be mounted vertically with a free flow of air.

Values noted are typical. Equipment descriptions and specifications subject to change without notice or obligation.