



MYRRA are a specialist Power business and have developed and supplied various power products for the transportation and electrical vehicle market sector. Particular examples range from small power supplies utilised in battery management systems to large power static charging units.

A typical example of a small battery charging module recently developed is an encapsulated power supply, mountable onto a PCB and used in the battery charging management system. The unit accepts a universal AC input and supplies a nominal DC voltage at approximately 5A maximum current. The power supply operates as both constant voltage and constant current modes depending on the specific battery demands at any one period. The unit has integral protection against over temperature, over voltage, over current and short circuit.

The power supply is emc compliant itself and conforms to general sections of the European standards such as EN60950, EN61558, EN60335, EN55032 and EN61000. Being an encapsulated construction, the module provides a compact but very robust solution for the customer.

A further example of MYRRA's skills in the field of electrical vehicle charging can be demonstrated by the larger static charger units recently supplied for commercial vehicle charging. These are extremely compact 15KW units (450 x 306 x 84mm). The power charging units accept an AC input of 156V to 502VAC and deliver a DC output of 250V to 750V DC at 22A. The charger units are extremely efficient (>95%) and have a power factor >0.99. The 15KW units can be paralleled together to form higher power modules up to a maximum of 400KW blocks, thus providing a very efficient and flexible charging solution for the customer.