



## Electric Vehicle Solutions

The PT100KW1 is a compact Original Equipment Manufacturer (OEM) motor. Permanent Magnet Synchronous (PMS) in manufacture and is designed with a built-in inverter that significantly reduces cost (with a typical inverter costing c. £3000) and complexity of integration.

The motor can be used to drive your existing gearbox directly or has the option of being connected to an OEM single-speed transmission also available from Electrofit (AT100KW1). The OEM motor and inverter assembly are supplied with a kit of components comprising a power cable (500 mm long), communications cable, coolant pipe connectors, and motor installation instructions.

Shipping is available worldwide. The shipping crate is 600 x 600 x 760 mm and weighs roughly 56 kg.



• Motor Type:	PMS
• Input Voltage	280-420
• Continuous Power Rating (kW):	50
• Peak Power Rating (kW):	100
• Motor Torque (Nm):	260
• Max. Motor Efficiency (%):	>95
• Peak Efficiency Motor Speed (rpm):	9800
• Max. Motor Speed (rpm):	14,000
• Dimensions (WxDxH, mm):	380x330x370
• Motor Weight (kg)	53.64

Electrofit can additionally provide a matched OEM single-speed transmission that is designed to sync perfectly with the motor. The motor and transmission combined will provide an impressive front-wheel drive setup of 260 Nm of torque.

Electrofit is a division of AEL Ltd, which has over 20 years of experience in integrating genuine OEM parts into bespoke applications and solutions. With this proven track record of integration expertise, Electrofit can supply the complete solution to enable the fitting of an OEM motor and inverter into sports cars, classic cars or commercial vehicles, making us the perfect choice for small or niche vehicle manufacturers in need of electric vehicle solutions.

Other accessories and further details are available at [www.electrofit.com](http://www.electrofit.com)