



Mobility



Energy



Environment

The Future is Wireless



Wireless Power 30 kW coil system for stationary charging

Rated power: 30 kW
Rated air gap: 10 cm
Rated frequency: 30 kHz

Primary component:

Area: 1045 x 930 mm
Thickness: 34 mm

Secondary component:

Area: 920 x 785 mm
Thickness: 22 mm

The coil system is composed of a charging plate for the road (primary side) and a pickup to be integrated in a vehicle's floor (secondary component).

The road-side charging plate can either be installed in the road or placed on the road surface. Depending on customer requirements, the required power electronics systems can either be installed under the charging plate or in a separate electrical cabinet (i.e. a wall box), where they can be connected to the grid.

The pickup is installed and integrated into the vehicle using pre-existing electrical systems, in so far as is possible.

TECHNICAL INFORMATION



VW T5 Transporter

A conversion to electric drive and inductive charging, carried out by INTIS

Electric motor:	water-cooled 4-pole asynchronous drive
Rated power:	70 kW
Rated torque:	280 Nm
Max. torque:	420 Nm
Battery system:	produced by GfE mbH, 100 Ah lithium iron phosphate cells
Rated voltage:	350 V
Storage capacity:	30 kWh (net, 80% DOD)
BMS:	produced by GfE mbH Monitoring of voltage and temperature in individual cells, controlled via a CAN-Bus interface
Charging technology:	Intis Wireless Power Road System
Type:	dynamic inductive
Rated power:	30 kW
Rated frequency:	30 kHz
Rated air gap:	10 cm

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