

Sheet-type coil for wireless charging of electric vehicles (EV)

Thin and Light sheet-type coil for EV wireless charging with Lower magnetic field leakage

Case

- Thickness and weight of wireless charging system
- Control magnetic field leakage for safety use
- High Cost

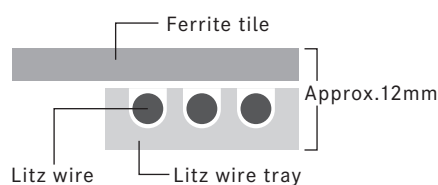
Solution

- Making the WPT system thinner and lighter by adopting a sheet-type coil
- Low magnetic field leakage for more safety system by optimizing the coil pattern
- Cost reduction by optimizing the manufacturing method

Feature

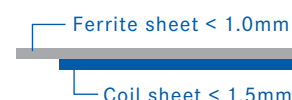
- Thinner and lighter than standard Litz wire coil.
- Low magnetic field leakage, thinner ferrite can be used by optimizing coil design.

Standard Type Weight: approx. 4kg<



*according to DNP in-house calculations

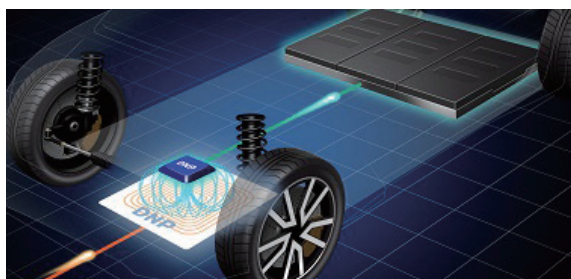
DNP Product Weight: approx. 1kg



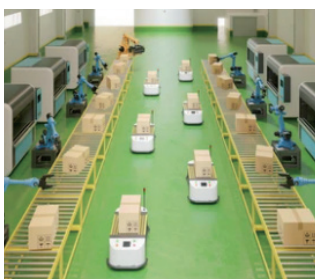
· Based on comparison with SAE International J2954 WPT3/Z2 specification receiving coil

Utilization

- Wireless charging for EV



- Wireless charging for AGV



- Wireless charging for Drone and Home electrical appliance

