Optocouplers for Voltage Conversion
in EV Charging Stations

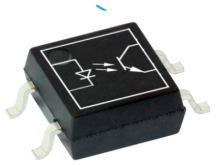
AC/DC and DC/DC converters widely use an isolated feedback loops to optimize electric power efficiency.

Typical applications include on-board chargers, power wall chargers, or 48 V board net converters.

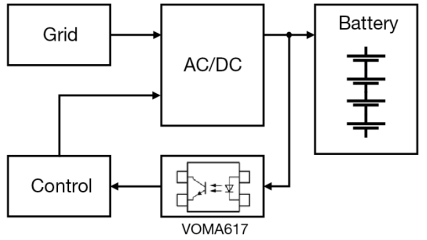
Depending on the on-board charging system in the vehicle, either an AC/DC or DC/DC converter is needed in the charging station.

VISHAY
The DNA of tech.

Both require a VOMA617A feedback loop!



VOMA617
Automotive transistor coupler in low profile SOP-4 package



Proximity Sensing

Long distance proximity sensors can be used in charging stations and wall chargers to detect approaching vehicles and activate a display

VCNL4200
(8.00 x 2.45 x 0.6) mm
Ambient light + IR sensor

For questions: optocoupleranswers@vishay.com

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