

A bus bar integrated sensor unlike any that has ever existed.

Shunt on Bus Bars

Forming

Press

Surface coating

Welding

This bus bar integrated sensor includes a function that measures voltage while electricity is flowing. Highly precise detection is possible, from low currents to large currents such as those of lithium ion batteries. Contributes to space saving as the current detector is embedded into a portion of the bus bar, which is necessary for connecting.

Product features

- Space saving with the integrated bus bar
- A highly precise sensor module with few measurement errors
- Custom designs are possible, such as compact models and digital output models
- Highly precise detection of low resistance shunts of 0.05 mΩ is also possible

Product applications

Current detection, battery management system (BMS) for on-vehicle devices, industrial equipment, and energy fields

Current control for inverters for which high frequency support is required

