

# Compact Current Sensor

The compact current sensor is installed on a busbar inside of a battery pack and improves assemble performance.

Current sensors are required for control to determine the remaining battery levels. It has the hall IC structure (see below) and makes cost reductions.  
\*It can provide shunt type with high accuracy.



## Feature

- 1** | Improve vehicle mountability

  - Reduce the size and weight by eliminating core
  - Improve ASSY by built-in busbar

**2** | Additional features

  - Set current ranges for 2 outputs types
  - Failure diagnosis

## Performance/Specification

Supply voltage	5.0V $\pm$ 0.5V
Usage temperature	-40 to 85degC
Current detective range	2 outputs (1) $\pm$ 80A to $\pm$ 200A (2) $\pm$ 250A to $\pm$ 600A
Output accuracy	$\pm$ 2A (offset) $\pm$ 2% (gain)
Output system	Analog (ratiometric output)
Reaction speed	Max. 100 $\mu$ s
Detective system	Detect magnetic flux density by Hall IC
Current consumption	Up to 26mA

