

# 48V Battery Pack System

## Function

- Battery Pack System contributes to improve safety and power consumption by monitoring and controlling a battery status

## Feature

- Battery Management Unit
  - Securing battery safety with Functional Safety design
- Battery Management Unit
  - Making a precise estimate of a battery status and contributing to an efficient battery use
- Current Sensor
  - High accuracy measurement with shunt method

## Performance/Specification

### Function of Battery Management Unit

1. Battery monitoring function
2. Calculating function of State of Charge
3. Charge control function
4. Balancing function

### Function of Current Sensor

1. Measurement of charging/discharging current
2. Communicate with battery management unit

