

HV Measurement Unit

- Provide the measuring unit for voltage / current / temperature as 3 factors required high accuracy
- Reduce height inside of battery pack

Measurement of current, voltage and temperature is required for high voltage line (battery pack) protection and battery management in EV.



Feature

- 1 Measure voltage to detect troubles in high voltage power contactor, such as welding
- 2 Measure current values by Battery Management Unit(BMU)
- 3 Measure temperature for protecting the unit body and external peripheral parts

Performance/Specification

Power Voltage	5V±0.25
Usage Temperature	-40 to 85degC
Output System	Digital communication UART(Supported CAN)
Voltage Detective Range	1000V
Voltage Measuring Accuracy	±1%
Voltage Measuring ch	2ch
Current Detective Range	±5000A
Continue Flowing Current	400A
Current Measuring Accuracy	±0.05A(offset) ±0.5%(gain)
Shunt Resistance Temperature	Output
Battery Pack In/Out Temperature	Output(1ch)

