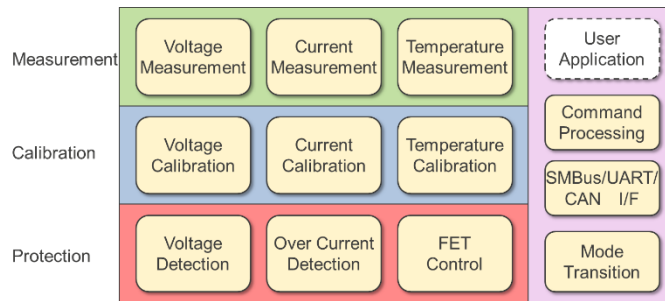


# RAJ240090 / RAJ240100 Starter Kit

## Easy-to-use RAJ240090/100 evaluation platform

Includes BASIC sample source code with the following functions enabling user customization:

- Current, voltage and temperature measurement.
- Calculate remaining capacity and relative state-of-charge.
- Capacity correction by cell voltage
- Battery status monitor.
- Operating mode transition.
- Initial calibration.
- SMBus communication.



### Typical battery applications

Power tool, Gardening tool, E-Bike, Cleaner, Drone, ESS·UPS

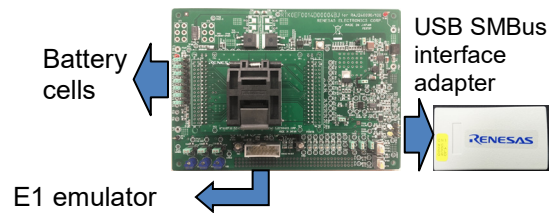
## Development environment

RAJ240090/100 Starter kit helps users to start their Li-ion multi-cell battery system development.

### Components

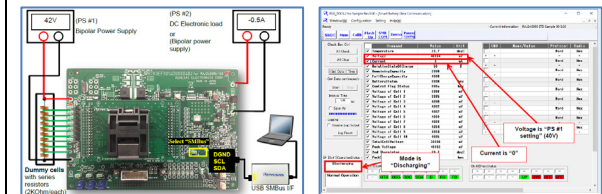
#### Evaluation module (EVM)

- 3-10 cells Li-ion battery pack supported.
- 4 layers PCB board design.
- High Current design: maximum current 30A.
- SCP protection (2nd protection control)
- Interface: SMBus, UART, CAN, E1 emulator.
- Board dimension: 120mm x 170mm



#### Documents

- Starter kit user's manual.
- Step by step quick start guide.
- Board instruction manual.
- Sample code specification
- Specification of RSB\_TOOL2 for sample code
- RAJ240090/100 datasheet.



#### Easy-to-use evaluation setup

- USB SMBus interface adapter
- GUI based application software (RSB\_TOOL2)  
Status monitor and data logging.  
Parameter configuration.  
Board level calibration  
SMBus command read/write.  
Supports windows7/8/10.

