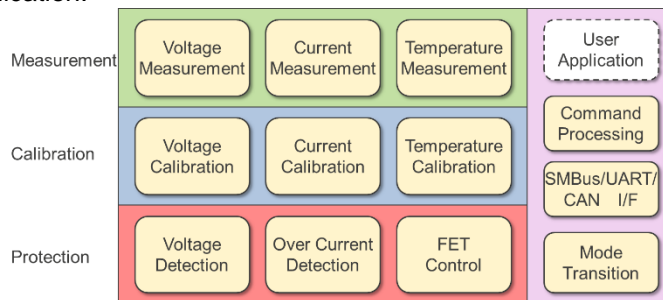


# RAJ240090 / RAJ240100 Starter Kit

## 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

<p><b>Evaluation module (EVM)</b></p> <ul style="list-style-type: none"> <li>• 3-10 cells Li-ion battery pack supported</li> <li>• 4 layers PCB board design</li> <li>• High Current design: maximum current 30A</li> <li>• SCP protection (2nd protection control)</li> <li>• Interface: SMBus, UART, CAN, E1 emulator</li> <li>• Board dimension: 120mm x 170mm</li> </ul>	
<p><b>Documents</b></p> <ul style="list-style-type: none"> <li>• Starter kit user's manual</li> <li>• Step by step quick start guide</li> <li>• Board instruction manual</li> <li>• Sample code specification</li> <li>• Specification of RSB_TOOL2 for sample code</li> <li>• RAJ240090/100 datasheet</li> </ul>	
<p><b>Easy-to-use evaluation setup</b></p> <ul style="list-style-type: none"> <li>• USB SMBus interface adapter</li> <li>• GUI based application software (RSB_TOOL2) <ul style="list-style-type: none"> <li>Status monitor and data logging</li> <li>Parameter configuration</li> <li>Board level calibration</li> <li>F/W programming (Max data size: 64KB)</li> <li>SMBus command read/write</li> <li>Supports windows7/8/10</li> </ul> </li> </ul>	