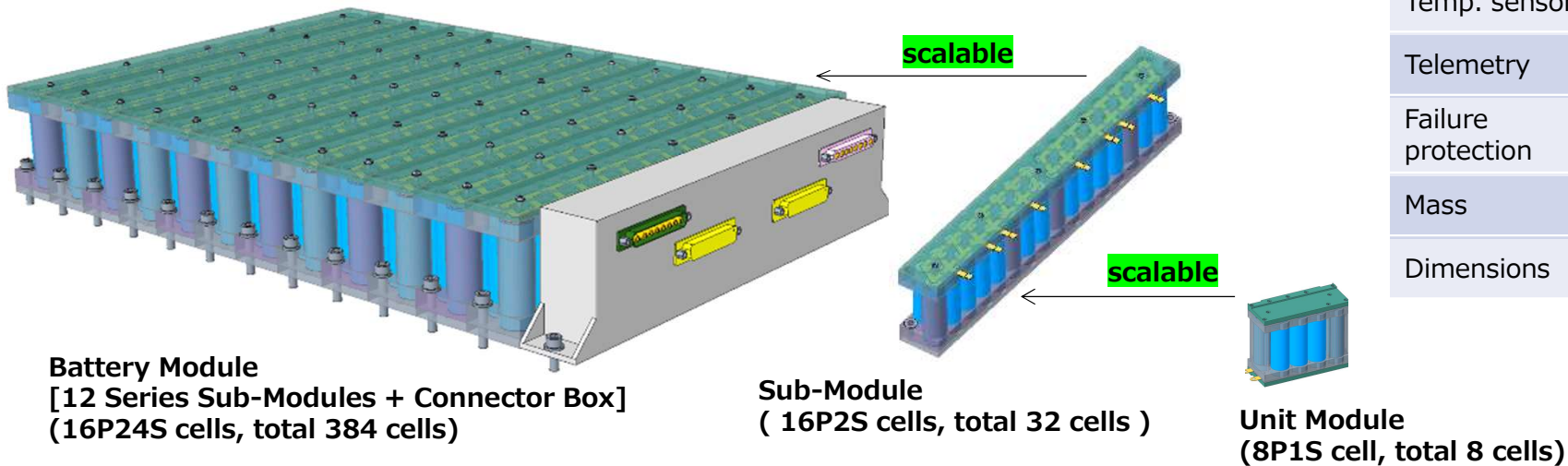


Lithium-Ion Batteries (LIB)

■ Development of COTS-grade cell (18650/21700) Battery

- COTS-grade cells with rich heritages and wide temperature range
- Versatility, scalability (cell size, number of cells) and light weight
- Following concept designs are illustrated as the examples of MELCO COTS-grade cell batteries.

□ Concept Design



Battery Module
[12 Series Sub-Modules + Connector Box]
(16P24S cells, total 384 cells)

Sub-Module
(16P2S cells, total 32 cells)

Unit Module
(8P1S cell, total 8 cells)

16P24S Battery Module
Composed of 21700-type Cells

Major Characteristics of 16P24S COTS-grade Cell Battery

Property	Suggested Performance
Number of cells per module	16 cells connected in parallel and 24 in series (16P2S sub-module x 12 series)
Energy	6220[Wh] nom.
Heater	Installed if required
Temp. sensor	Installed if required
Telemetry	Voltage / control status
Failure protection	Fusible link in each cell
Mass	Less than 45.0kg
Dimensions	W381xL568xH100[mm] (Nom.)