

Lithium-Ion Battery Cell

■ Features

- Well-established technology, manufacturing facility and test equipment
- Versatility in LIB design to meet customer requirements and expectations with the design options of **Space-grade cells** and **COTS-grade cells**
- Abundant flight heritage of LIBs through long-term agreements with major satellite manufacturers in US, Europe and Japanese government

■ Space-grade Cells

High energy density **space-grade cells** of **42, 55, 110, 145, 160 and 190Ah** available

- High reliability and performance for long-life, validated by abundant flight heritages
- MELCO's standard cells for GEO and LEO satellite applications

Generation	3 rd				4 th	3 rd
Class	42 Ah	55 Ah	110 Ah	145 Ah	160 Ah	190 Ah
Nominal Capacity [Ah]	46	61	122	161	176	205
Nominal Discharge Voltage [V]	3.7	3.7	3.7	3.7	3.7	3.7
Mass [kg]	1.10	1.52	2.77	3.55	3.68	4.59
Nominal Specific Energy [Wh/kg]	155	148	163	168	178	165
Dimensions (HxWxT) [mm]	159x90x37	123x130x50	208x130x50	263x130x50		263x165x50
Case Material	Aluminum Alloy					

