

LB Series Lithium Ion Battery

PRODUCT DESCRIPTION

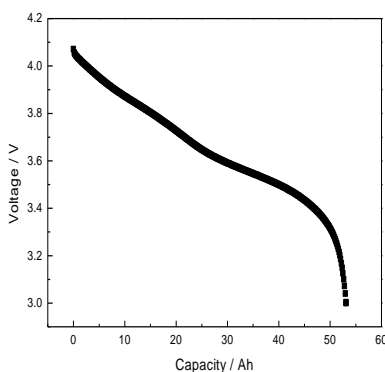
The Li-ion batteries are fully-enclosed in an aluminum alloy. Batteries of the same type can be connected in series or in parallel. Desirable characteristics include high mechanical strength, resilience to impact and vibration during launch, high specific energy, long lifetime, wide range of working temperatures.

The main characteristics of these batteries are (1) Very high specific energy, (2) Proprietary space cell design and processes and (3) Modular and flexible battery range.

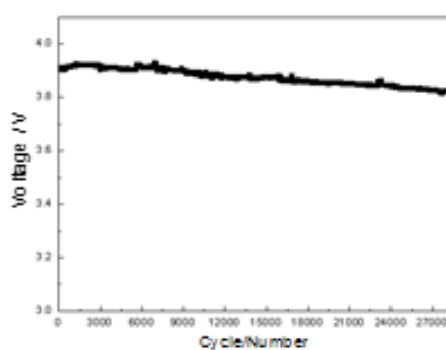
The benefits include (1) Excellent energy density and specific energy, (2) Hermetically-sealed cells, and (3) Long cycle life: 18 year GEO at 80 % DOD 48000 LEO cycles at 20 % DOD.

SPECIFICATIONS

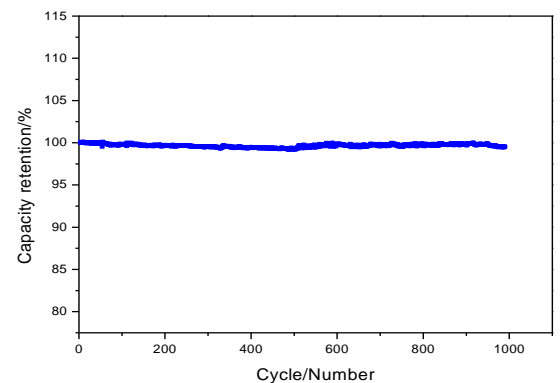
Model	ICP20	ICP25	ICP30	ITP20	ITP30	INP30	INP45
Rated Capacity /Ah	20	25	30	20	30	30	45
Working Voltage /V	3.0~4.1	3.0~4.1	3.0~4.1	3.0~4.1	3.0~4.1	3.0~4.1	3.0~4.1
Dimension/mm	75.2×31.7×149.5	75.2×31.7×194.5	75.2×31.7×204.5	75.2×31.7×149.5	75.2×31.7×204.5	75.2×31.7×186.5	100.0×31.7×184.5
Weight/g	640±50	640±50	640±50	640±50	640±50	640±50	640±50
Designed Lifetime	LEO: 48000 cycles (DOD≤20%) or 8a GEO: 18a (DOD≤80%)			LEO: 30000 cycles (DOD≤20%) or 5a		LEO: 48000 cycles (DOD≤20%) or 8a GEO: 18a (DOD≤80%)	
Specific Energy / Wh/Kg	150	155	155	130	140	180	180
Energy Density / Wh/L	270	290	300	220	260	310	315
Lower Voltage Limit for Discharge	3	3	3	3	3	3	3
Charging Method	CC-CV	CC-CV	CC-CV	CC-CV	CC-CV	CC-CV	CC-CV
Charging Voltage (max)	4.1	4.1	4.1	4.1	4.1	4.1	4.1
Recommended continuous charge current	≤0.5C	≤0.5C	≤0.5C	≤0.5C	≤0.5C	≤0.5C	≤0.5C
Operating Temperature	10~30	10~30	10~30	10~30	10~30	10~30	10~30
Storage Temperature	-10~25	-10~25	-10~25	-10~25	-10~25	-10~25	-10~25
Transportation Temperature	-5~30	-5~30	-5~30	-5~30	-5~30	-5~30	-5~30
Anode	graphite	graphite	graphite	graphite	graphite	graphite	graphite
Cathode	LCO			NCM		NCA	



Capacity perf. @ 20±3°C



Lifetime perf. @LEO 20%DOD



Lifetime perf. @GEO 100%DOD

For further details email or call:

Sales Department, O.C.E. Technology Ltd.,
NovaUCD, Belfield Innovation Park,
Belfield, Dublin 4,
D04 X8W9, Ireland.

Phone: +353 1 716 3530
Email: sales@ocetechnology.com



Distributor:-

