

# RL12-12

12.8V - 12Ah

153Wh



**REVOLITHIUM**  
INDUSTRIAL BATTERY

## ELECTRICAL SPECIFICATIONS

Nominal Voltage	12.8 V
Nominal Capacity	12 Ah
Energy	153.0 Wh
Resistance	≤ 70 mΩ
Maximum Modules in Series	Up to 4S (51.2V)

## CHARGE SPECIFICATIONS

Recommended Charge Current	6 A
Recommended Charge Voltage	14.2 V-14.6 V
BMS Charge Voltage Cut-Off	14.6 V (3.65 ± 0.5 vpc) (1.1 ± 0.4 s)
Reconnect Voltage	14.4 V (3.6 ± 0.05 vpc)
Charging method	CC-CV

## DISCHARGE SPECIFICATIONS

Maximum Continuous Discharge Current	6 A
Peak Discharge Current	30 A (<2S)
Recommended Low Voltage Disconnect	11 V (2.75 vpc)
BMS Discharge Voltage Cut-Off	8 V (2.0 ± 0.08 vpc) (20 ± 6 ms)
Reconnect Voltage	10 V (2.5 ± 0.05 vpc)
Short Circuit Protection	200-600 μs

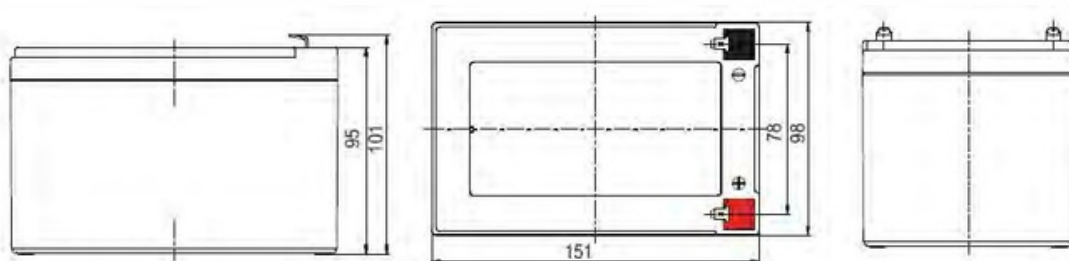
## TEMPERATURE SPECIFICATIONS

Discharge Temperature	-20°C to 60 °C
Charge Temperature	0 °C to 50 °C
Recommend Storage Temperature	-5°C to 35 °C

## MECHANICAL SPECIFICATIONS

Dimensions (L x W x H)	151 x 58 x 101 mm
Weight	1.3 Kg
Terminal Type	F2
Case Material	ABS
Enclosure Protection	IP55

## DIMENSIONAL SPECIFICATIONS

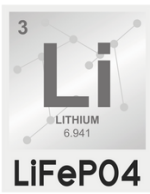


**IBS Italia - Industrial Battery Service Italia S.r.l.**

Via E. Caviglia 3 - 20139 MILANO (MI) - ITALY

e-mail: [assistenza@ibsbatterie.it](mailto:assistenza@ibsbatterie.it) - [commerciale@ibsbatterie.it](mailto:commerciale@ibsbatterie.it)

Tel. (+39) 02 21.11.69.68



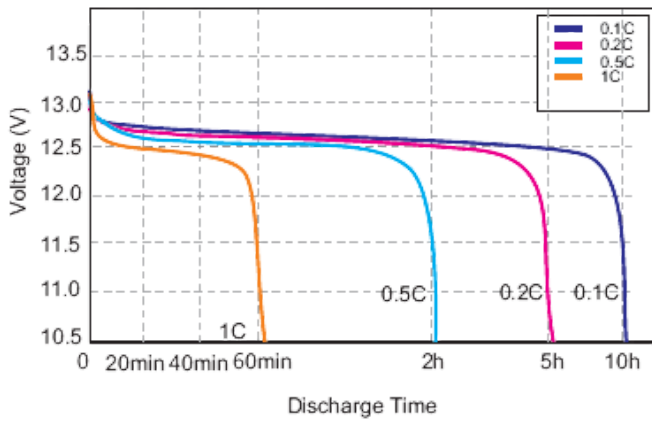
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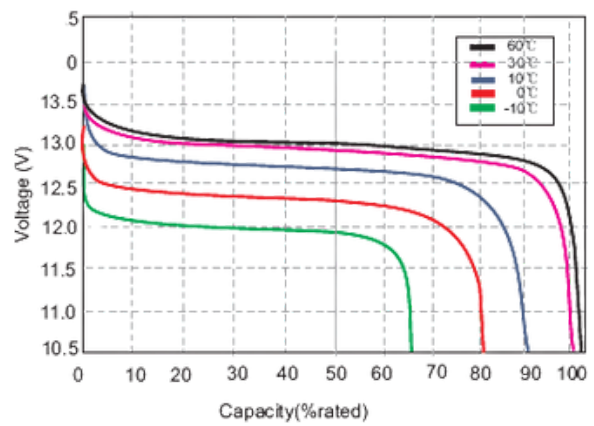
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**PERFORMANCE CURVE**

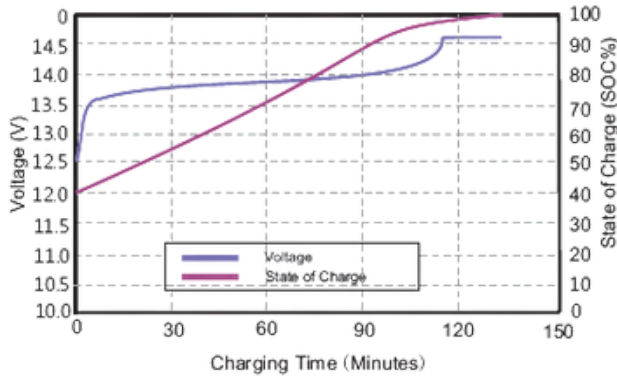
Different Rate Discharge Curve @25C



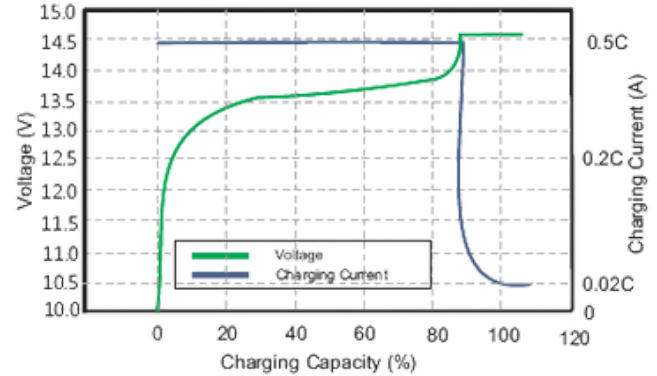
Different Temperature Discharge Curve @0.5C



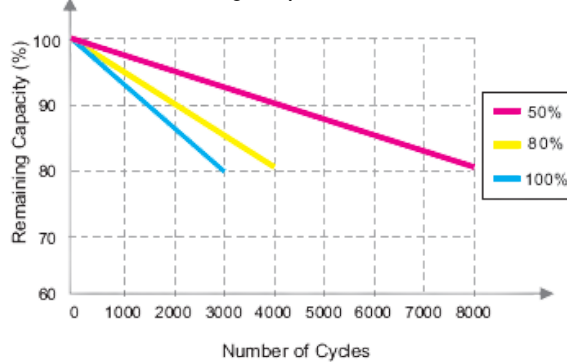
State of Charge Curve @0.5C 25C



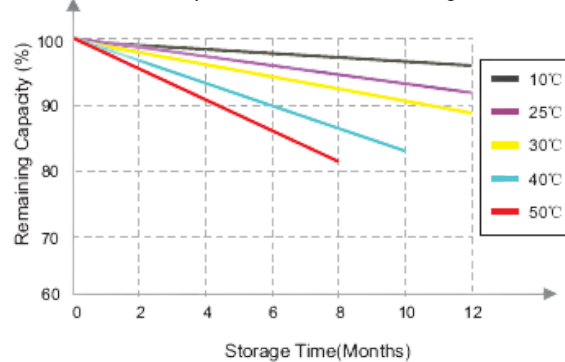
Charging Characteristics @0.5C 25C



Different DOD Discharge Cycle life Curve @0.2C 25C



Different Temperature Self Discharge Curve



**CE UL UN38.3**



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e-mail: [assistenza@ibsbatterie.it](mailto:assistenza@ibsbatterie.it) - [commerciale@ibsbatterie.it](mailto:commerciale@ibsbatterie.it)

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