

ICR36550HC Li-ion Cell

Electrical Characteristics

Nominal Voltage	3.7V
Rated Capacity	6.0Ah

Physical Characteristics

Height	55.1 ±0.2mm
Diameter	35.9 ±0.1mm
Weight (nominal)	146g

Operating Conditions

Discharge Temperature Range	-40°C to +70°C
Max. Continuous Discharge Current	10A
End (of discharge) Voltage	2.5V
Charging Method	Constant current followed by constant voltage
Charge Temperature Range	0°C to +50°C
End (of charge) Voltage	4.2V ±0.05V

Consult AGM for operation outside the above parameters

Safety Testing

The ICR36550HC has undergone extensive safety testing in hostile environments to ensure it meets stringent requirements set by the IEC specification (IEC 61960 Pt1).

Continuous Charge	✓
Shock	✓
Vibration	✓
High Temperature Storage	✓
Thermal Shock	✓
Altitude Simulation	✓

Abuse Testing

AGM products have been tested in accordance with severe abuse conditions, laid out in the IEC specification (IEC 61960 Pt1), to ensure rigorous standards of safety and security for the user.

Short-circuit	✓
Forced Discharge	✓
Overcharge*	✓
Internal Short-circuit	✓
High Rate Charge	✓
Free Fall	✓

*Tested with integral protection

Transportation

The ICR36550HC meets the requirements of the UN Recommendations on the Transport of Dangerous Goods, Manual of Tests and Criteria (ST/SG/AC.10/11/Rev.3). This cell may therefore be shipped by any commercial method of transport, provided that it shipped as a Class 9 hazardous material and the appropriate modal regulations are complied with.

Refer to AGM for guidance on battery pack regulations

At our state-of-the-art factory in Thurso we design, develop and manufacture specialist Lithium-ion cells. Our expertise in this field ensures that our products provide the ultimate in performance, reliability and operational efficiency in the harshest of operating environments.



Call +44 (0)1847 808060 or visit www.agmbatteries.com
for further information on the complete range of
products and services from AGM Batteries Ltd