

LG Chem Battery RESU10H

LG Chem RESU10H is a home battery that charges using electricity generated from solar panels, or from the grid when utility rates are low. It powers your home in the evening, when the sun is not shining or when utility rates are higher.

LG Chem RESU10H uses state of the art lithium-ion energy technology to deliver a high voltage battery storage solution of exceptional quality.

For nearly a decade, LG Chem Batteries have been used around the globe by major car manufacturers such as Hyundai/Kia, General Motors, Volkswagen, Ford and Daimler Group.

The system is easy to install, completely automated and requires no maintenance.



LG CHEM RESU10H FEATURES AND BENEFITS

- **Captures and stores excess solar energy** LG Chem RESU10H enables the capture and storage of excess solar energy produced during the day for use at night. The result is greater self-consumption of solar generation and reduced energy costs.
- Compact size Industry leading LG Chem technology with high energy density provides a compact product.
- Easy installation Advanced product design results in a simple and safe wall-mounted installation.
- Stylish aluminium design An attractive addition to your home.
- Electronic screen battery operation Silent and automated operation with easy to read performance information
- IP55 enclosure Suitable for indoor and outdoor installations.
- **Proven safety** LG Chem places the highest priority on safety and utilises similar technology for home battery products that have a proven safety record in its automotive battery. All products are fully certified to relevant global standards.

LG Chem RESU10H

Electrical Specifications	RESU10H-DLT	RESU10H-SEG
Maximum DC Charge / Discharge Power ⁽¹⁾	5kW ⁽¹⁾	
Peak DC Discharge Power ⁽¹⁾⁽²⁾	7kW for 10 sec ⁽¹⁾⁽²⁾	
Nominal Energy (DC)	9.8kWh @ 25°C	
Usable Energy (DC) ⁽³⁾	8.8kWh @ 25°C ⁽³⁾	
Voltage Range - Charge / Discharge	468 ~ 550VDC / 430 ~ 507VDC	400 ~ 450VDC / 350 ~ 430VDC
Maximum DC Voltage	570VDC	520VDC
Maximum DC Charge / Discharge Current	10.7A @ 467V / 11.7A @ 427V	11.9A @ 420V / 14.3A @ 350V
Communication Interface	CAN	RS485
DC Disconnect	Circuit Breaker, 24A, 600V rating	

Mechanical Specifications	RESU10H-DLT	RESU10H-SEG
Dimensions (W x L x D)	744 mm x 907 mm x 206 mm	
Weight	99.8 kg	97 kg

Environmental Specifications	RESU10H-DLT	RESU10H-SEG
Installation Location	Wall mounted, Indoor/Outdoor	
Operating Temperature	-10 ~ 45°C	
Storage Temperature	-30 ~ 55 °C	
Maximum Altitude	2,000 m	
Cooling Strategy	Natural Convection	
Humidity	5% - 95%	

Warranty and Certification	RESU10H-DLT	RESU10H-SEG
Solahart Warranty ⁽⁴⁾	10 years ⁽⁴⁾	
Safety - Battery Pack	CE / RCM / TUV (IEC 62619)	
Hazardous Materials Classification	Class 9	
Transportation	UN38.3 (UNDOT)	
Ingress Rating	NEMA 3R / IP55	



⁽¹⁾ Usable AC power is dependent upon inverter specifications. Output may be limited.

⁽²⁾ Peak Current excludes repeated short duration (less than 10 sec. of current pattern).

⁽³⁾ Value for Battery Only (DOD 95%), 2kW charge/discharge power. Total usable energy is dependent on a number of factors, including inverter efficiency, cabling losses, etc.

(4) For full details see Solahart Owner's Guide. Conditions apply.

Specifications and designs included in this data sheet are subject to change without notice.

Solahart Australia Tel: 1300 769 475 • www.solahart.com.au Reorder code: SHB/PV_LGCHEM

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DC Coupled System: LG Chem RESU10H-SEG

