



Data sheet for RESU7H type-R

RESU7H type-R

Electrical Characteristics

Total Energy Capacity ¹⁾		7.0 kWh @25°C (77°F), Beginning of Life
Usable Energy Capacity ¹⁾		6.6 kWh @25°C (77°F)
Battery Capacity		63 Ah
Voltage Range	Charge	400 to 450 V _{DC}
	Discharge	350 to 430 V _{DC}
Absolute Max. Voltage		520 V _{DC}
Max. Charge/Discharge Current		8.5A@420V / 10.0A@350V
Max. Charge/Discharge Power ²⁾		3.5kW
Peak Power (only discharging) ³⁾		5kW for 5 sec.
Peak Current (only discharging)		13.5A@370V for 5 sec.
Communication Interface		RS485
DC Disconnect		Circuit Breaker, 25A, 600V rating
Connection Method		Spring Type Connector
User interface		LEDs for Normal and Fault operation

Operating Conditions

Installation Location	Indoor / Outdoor (Wall-Mounted)
Operating Temperature	14 to 113°F (-10 to 45°C)
Operating Temperature (Recommended)	59 to 86°F (15 to 30°C)
Storage Temperature	-22 to 131°F (-30 to 55°C)
Humidity	5% to 95%
Altitude	Max. 6,562ft (2,000m)
Cooling Strategy	Natural Convection
Noise Emission	< 40 dBA

Certification

Safety	Cell	UL1642
	Battery Pack	CE / RCM / TUV (IEC 62619)
Emissions		FCC
Hazardous Materials Classification		Class 9
Transportation		UN38.3 (UNDOT)
Ingress Rating		IP55

※ Test Conditions - Temperature 25°C, at the beginning of life

※ Total Energy is measured under specific condition from LGC(0.3CCCV/0.3CC)

※ DC/DC Discharge Efficiency 94.5% @ 2.3kW

1) Value for Battery Cell Only (Depth of Discharge 95%). Actual usable energy at the AC output may vary by condition, such as the battery converter, inverter efficiency and temperature.

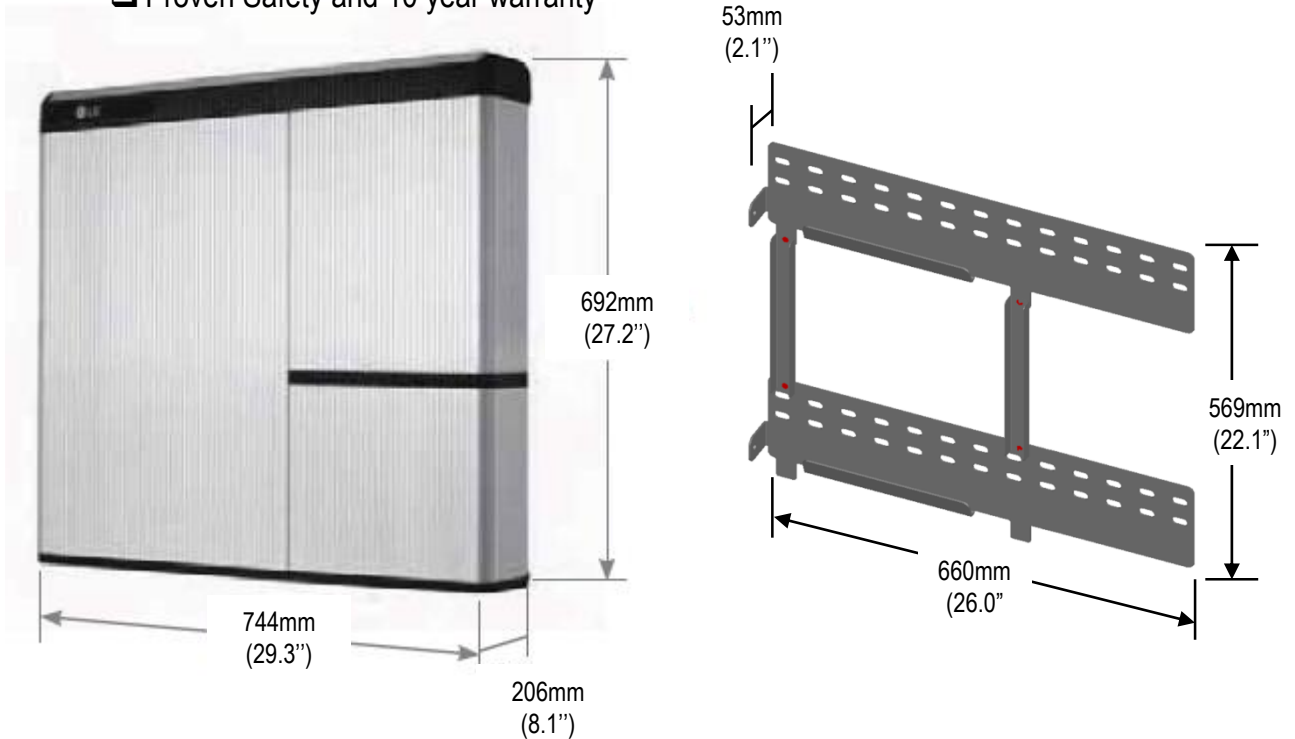
2) LG Chem recommends 2.1kW for maximum battery lifetime

3) Peak Current excludes repeated short duration (less than 5 sec. of current pattern).

RESU7H type-R

Features

- ☐ Emergency Power Back-up
- ☐ Compact size and space saving
- ☐ Wide range of inverters available for matching
- ☐ Wall mounting installation
- ☐ Proven Safety and 10 year warranty



Mechanical Characteristics

Dimensions	Width	744 mm (29.3")
	Height	692 mm (27.2")
	Depth	206 mm (8.1")
Weight		75kg (165.4lbs)



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