

RESU

Data sheet for RESU7H type-R

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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

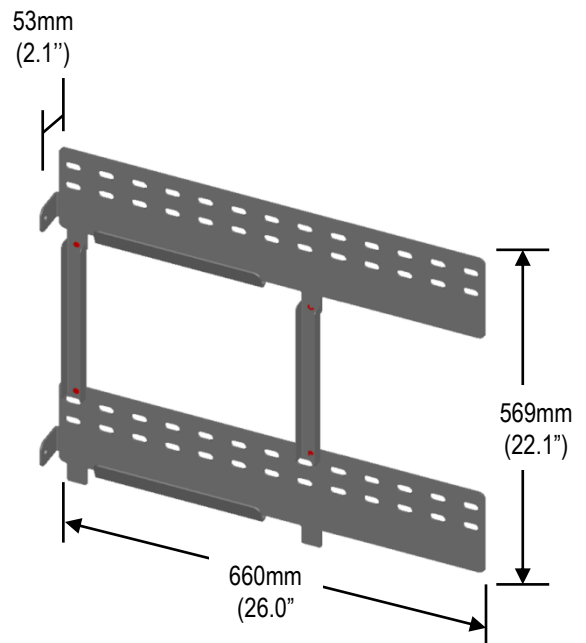
1) Value for Battery Cell Only (Depth of Discharge 95%). Actual usable energy at the AC output may vary by condition, such as the battery converter, inverter efficiency and temperature.

2) LG Chem recommends 0.3CP for maximum battery lifetime. Values temperature and SOC - dependent

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

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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)

