

RESU

Data sheet for RESU10H type-C

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Electrical Characteristics

Total Energy Capacity ¹⁾		9.8 kWh @25°C (77°F), Beginning of Life
Usable Energy Capacity ¹⁾		9.3 kWh @25°C (77°F)
Battery Capacity		63 Ah
Voltage Range	Charge	468 to 550 V _{DC}
	Discharge	430 to 507 V _{DC}
Absolute Max. Voltage		570 V _{DC}
Max. Charge/Discharge Current		10.7A@467V / 11.7A@427V
Max. Charge/Discharge Power ²⁾		5kW
Peak Power (only discharging) ³⁾		7kW for 10 sec.
Peak Current (only discharging)		16.3A@430V for 10 sec.
Communication Interface		CAN
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	UL1973 / 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)

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

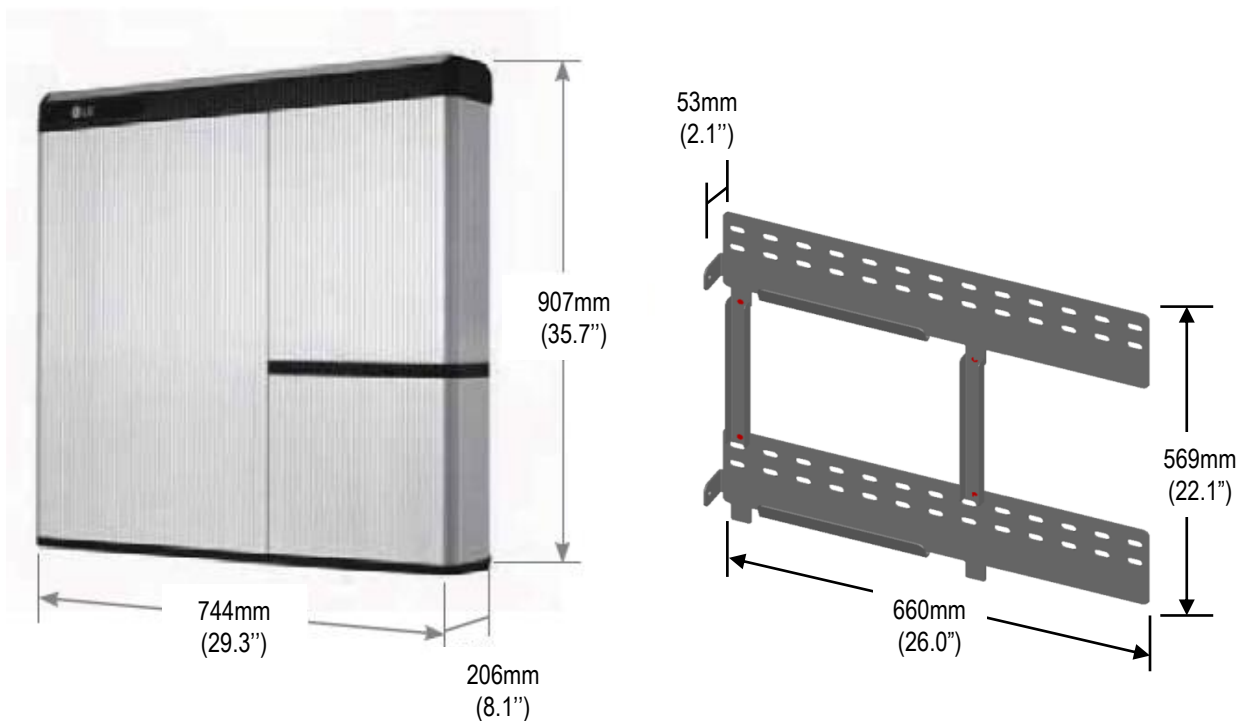
2) LG Chem recommends 3.3kW for maximum battery lifetime

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

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Features

- Emergency Power Back-up
- Compact size and space saving
- Matched with SMA Sunny Boy Storage models
- Wall mounting installation
- Proven safety and 10 year warranty



Mechanical Characteristics

Dimensions	Width	744 mm (29.3")
	Height	907 mm (35.7")
	Depth	206 mm (8.1")
Weight		99.8 kg (220lbs)

