RESU

Data sheet for RESU10H type-R

LG Energy Solution

2021.Apr

LG Energy Solution

Product Specification (1/2)

2021.Apr

RESU10H type-R

Electrical Characteristics

Total Energy Capacity		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	400 to 450 V_{DC}
	Discharge	350 to 430 V_{DC}
Absolute Max. Voltage		520 V_{DC}
Max. Charge/Discharge Current		11.9A@420V / 14.3A@350V
Max. Charge/Discharge Power [2]		5kW
Peak Power (only discharging) [3]		7kW for 10 sec.
Peak Current (only discharging)		18.9A@370V for 10 sec.
Short Circuit Current [4]		125A
Communication Interface		RS485
DC Disconnect		Circuit Breaker, 25A, 600V rating
Connection Method		Spring Type Connector
User interface		LEDs for Normal and Fault operation
Battery Chemistry		Lithium Ion

Operating Conditions

Installation Location	Indoor / Outdoor (Wall-Mounted)
Ingress Rating	IP55
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)

※ 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 the battery converter, inverter efficiency and temperature.
2) LGES recommends 0.3CP for maximum battery lifetime. Maximum power will vary due to temperature and SOC
3) Peak Current excludes repeated short duration (less than 10 sec. of current pattern).
4) Short circuit current is measured at installer-accessible terminal.

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Product Specification (2/2)

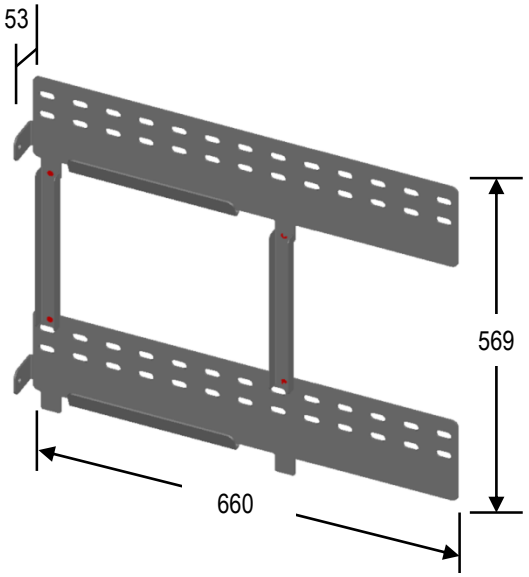
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Features

- ❑ 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	907 mm (35.7”)
	Depth	206 mm (8.1”)
Weight		99.8 kg (220lbs)



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