RESU

Data sheet for RESU7H type-R

LG Chem

2018.August

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Product Specification (1/2)

2018.August

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		NEMA 3R / 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%)
2) LG Chem recommends 2.1kW for maximum battery lifetime
3) Peak Current excludes repeated short duration (less than 5 sec. of current pattern).

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Product Specification (2/2)

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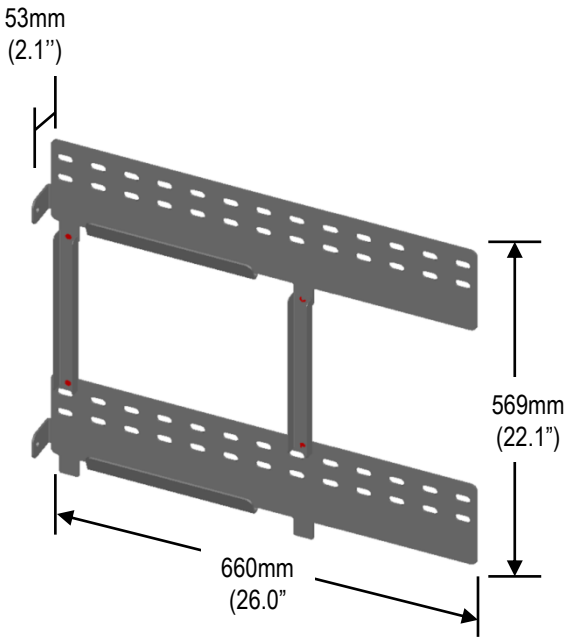
RESU7H type-R

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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