





## Product Specification (1/2)

2019.April

### RESU10H type-C

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 <sub>DC</sub>			
Max. Charge/Discharge Current		10.7A@467V / 11.7A@427V			
Max. Charge/Discharge Power <sup>2)</sup>		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).



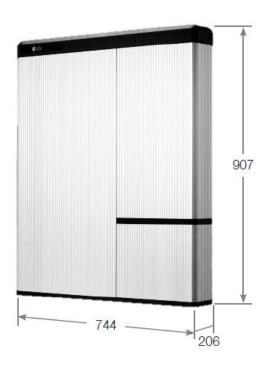
# Product Specification (2/2)

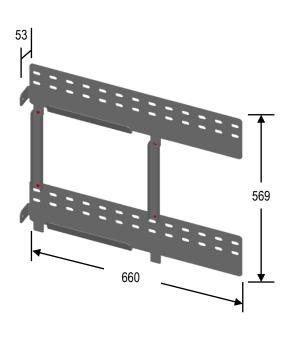
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## RESU10H type-C

### **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**

	Width	744 mm (29.3")	
Dimensions	Height	907 mm (35.7")	
	Depth	206 mm ( 8.1")	
Weight		97 kg (214lbs)	





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