

Data sheet for RESU10H type-C





Product Specification (1/2)

2018.August

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℃ (77°F)
Battery Capacity		63 Ah
Voltage Range	Charge Discharge	468 to 550 V _{DC} 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
Salety	Battery Pack	UL1973 / 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)

1) Value for Battery Cell Only (Depth of Discharge 95%)

2) LG Chem recommends 3.3kW for maximum battery lifetime

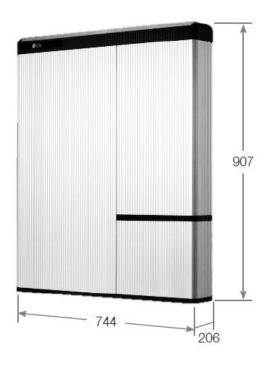
3) Peak Current excludes repeated short duration (less than 10 sec. of current pattern).

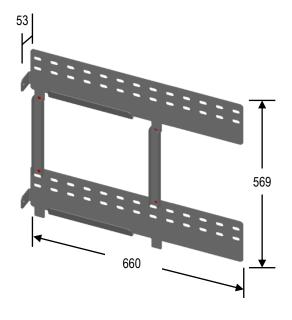


Product Specification (2/2)

2018.August

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





Solution Partner



© 2018 LG Chem ESS Battery Division LG Guanghwamun Building, 58, Saemunan-ro, Jongro-gu, Seoul, 03184, Korea http://www.lgesspartner.com http://www.lgchem.com