

9.8kWh Battery Pack Product Specification





# **Product Specification (1/2)**

### **RESU10H**

#### Solaredge compatible

Electrical Characteristics				
Total Energy		9.8 kWh @25°C (77°F)		
Usable Energy <sup>1)</sup>		9.3 kWh @25°C (77°F)		
Voltage Range	Charge	400 ~ 450 VDC		
	Discharge	350 ~ 430 VDC		
Absolute Max. Voltage		520VDC		
Max. Charge/Discharge Current		11.9A@420V / 14.3A@350V		
Max. Charge/Discharge Power <sup>2)</sup>		5kW		
Peak Power (only discharging) <sup>3)</sup>		7kW for 10 sec.		
Peak Current (only discharging)		18.9A@370V for 10 sec.		
Communication Interface		RS485		
DC Disconnect		Circuit Breaker, 25A, 600V rating		
Connection Method		Spring Type Connector		
User interface		LEDs for Normal and Fault operation		
Protection Features		Over Voltage / Over Current / short circuit / Reverse Polarity		
Scalability		Max. 2 in parallel		
(Total Energy,		(19.6 kWh @25°C (77°F),		
Max. Charge/Discharge Power, Peak Power (only discharging))		6.6KW, 7kW for 10 sec.)		

Operating Conditions		
Indoor(Wall-Mounted) / Outdoor		
14 ~ 113°F (-10 ~ 45°C)		
59 ~ 86°F (15 ~ 30°C)		
-22 ~ 131°F (-30 ~ 55°C)		
5%~95%		
Max. 6,562ft (2,000m)		
Natural Convection		

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)
% DC/DC Discharge Efficiency 94.5%

1) Value for Battery Cell Only (Depth of Discharge 95%), 2kW charge/discharge power.

2) LG Chem recommends 3.3kW for maximum battery lifetime

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

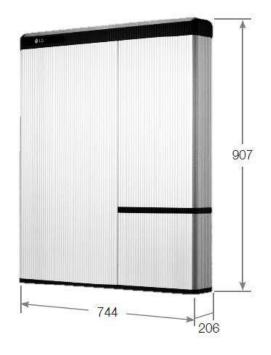


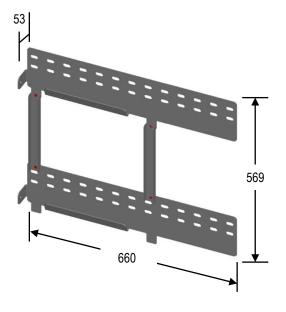
# **Product Specification (2/2)**

## **RESU10H**

#### Solaredge compatible

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





Solution Partner



HQ: LG Twin Towers 128, Yeoui-daero, Yeongdeungpo-gu, Seoul, Korea. 150-721 TEL : (82) 2-3773-1114 FAX : (82) 2-3773-7005 <u>http://www.lgesspartner.com</u> <u>http://www.lgchem.com</u>