

# RESU

Battery Pack Specification for RESU10H

## Product Specification

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**RESU10H**
**Solaredge compatible**

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

Operating Conditions	
<b>Installation Location</b>	Indoor(Wall-Mounted) / Outdoor
<b>Operating Temperature</b>	14 ~ 113°F (-10 ~ 45°C)
<b>Operating Temperature (Recommended)</b>	59 ~ 86°F (15 ~ 30°C)
<b>Storage Temperature</b>	-22 ~ 131°F (-30 ~ 55°C)
<b>Humidity</b>	5%~95%
<b>Altitude</b>	Max. 6,562ft (2,000m)
<b>Cooling Strategy</b>	Natural Convection

Certification		
<b>Safety</b>	<b>Cell</b>	UL1642
	<b>Battery Pack</b>	UL1973 / CE / RCM / TUV (IEC 62619)
<b>Emissions</b>		FCC
<b>Hazardous Materials Classification</b>		Class 9
<b>Transportation</b>		UN38.3 (UNDOT)
<b>Ingress Rating</b>		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%

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).

## Mechanical Characteristics

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



