

RESU10H

9.8kWh Battery Pack Product Specification

RESU10H

Solaredge compatible

| Electrical Characteristics | | |
|---|------------------|---|
| Total Energy | | 9.8 kWh @25°C (77°F) |
| Usable Energy¹⁾ | | 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 Power²⁾ | | 5kW |
| Peak Power (only discharging)³⁾ | | 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 (Total Energy, Max. Charge/Discharge Power, Peak Power (only discharging)) | | Max. 2 in parallel (19.6 kWh @25°C (77°F), 6.6KW, 7kW for 10 sec.) |

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

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Mechanical Characteristics

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



