

RESU[®]

Data sheet for RESU10H

Performance

RESU10H

| Electrical Characteristics | | |
|---|--------------|---|
| Total Energy Capacity ¹⁾ | | 9.8 kWh@25°C (77°F), 100% State of Energy |
| Usable Energy Capacity ¹⁾ | | 9.3kWh |
| Battery Capacity | | 63 Ah |
| Voltage Range | Charge | 400 to 450 VDC |
| | Discharge | 350 to 430 VDC |
| Absolute Max. Voltage | | 520VDC |
| Max. Charge/Discharge Current | | 11.9A@420V / 14.3A@350V |
| Max. Charge/Discharge Power ²⁾ | | 5kW |
| Peak Power ³⁾ (only discharging) | | 7kW for 10 sec. |
| Peak Current (only discharging) | | 18.9A@370V for 10 sec. |
| Communication Interface | | RS485 |
| DC Disconnect | | Circuit Breaker |
| 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 |
| Certification | | |
| Safety | Cell | UL1642 |
| | Battery Pack | UL1973 / CE / RCM / TUV(IEC 62619) |
| Emissions | | FCC |
| Hazardous Materials Classification | | Class 9 |
| Transportation | | UN38.3 |
| Ingress Rating | | IP55 |

※ Test Conditions - Temperature 25°C, at the beginning of life.

- 1) Battery Cell Only energy capacity at Depth of Discharge 95%.
- 2) LG Chem recommends 3.3kW for maximizing battery lifetime.
- 3) Peak Current excludes repeated short duration(less than 5 sec. of current pattern).