RESU10

Data sheet for RESU10





Product Specification (1/2)

2019.April

RESU10

| Electrical Characteristics | |
|---|----------------------------------|
| Total Energy Capacity | 9.8 kWh |
| Usable Energy Capacity ¹⁾ | 8.8 kWh |
| Battery Capacity | 189 Ah |
| Voltage Range | 42.0 to 58.8 V $_{\text{DC}}$ |
| Nominal Voltage | 51.8 V _{DC} |
| Max. Charge/Discharge Current | 119A |
| Peak Current ²⁾ | 166.7A for 3 sec. |
| Max. Charge/Discharge Power ³⁾ | 5.0kW |
| Peak Power ²⁾ | 7.0kW for 3 sec. |
| Battery Pack Round-Trip Efficiency | >95% (under specific condition) |
| Communication Interface | CAN 2.0B |
| DC Disconnect | Circuit Breaker, Contactor, Fuse |

Operating Conditions

| Installation Location | Indoor / Outdoor (Stand / Wall-Mounted) |
|-------------------------------------|---|
| Operating Temperature | -10 to 45°C |
| Operating Temperature (Recommended) | 15 to 30°C |
| Storage Temperature | -30 to 60°C : ~7 days -20 to 45°C : ~ 6 months |
| Humidity | 5% to 95% |
| Altitude | Max. 2,000m |
| Cooling Strategy | Natural Convection |
| | |

Certification

| Safety | Cell | UL1642 |
|-------------------------------|--------------|---|
| | Battery Pack | CE / RCM / FCC / TUV (IEC 62619) / UL1973 |
| Emissions | | IEC61000-6-1, IEC61000-6-3 |
| Hazardous Materials Classific | ation | Class 9 |
| Transportation | | UN38.3 |
| 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)

¹⁾ Value for Battery Cell Only (Depth of Discharge 90%). Actual usable energy at the AC output may vary by condition, such as the inverter efficiency and temperature.

²⁾ Peak Current excludes repeated short duration (less than 3 sec.) of current pattern.

³⁾ LG Chem recommends 3.3kW for maximum battery lifetime.



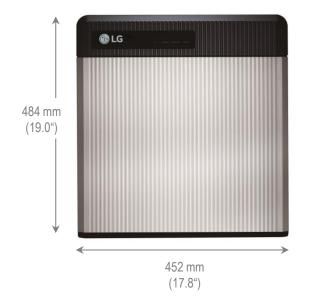
Product Specification (2/2)

2019.April

Features

RESU10 battery pack designed for photovoltaic systems is easily adaptable energy storage solution. With RESU Plus, RESU3.3/6.5/10 can be "cross-connected" with each other.

- ※ RESU Plus is an expansion kit specially designed for 48V models. Number of expandable battery units : up to 2EA
 - Easy and Flexible installation
 - : Easy to wall mount or install on floor
 - : Wide range of inverters available
 - □ Proven Safety and 10 year warranty
 - Compact size and space saving





227 mm (8.94")

| Mechanical Characteristics | | |
|----------------------------|--------|------------------|
| | Width | 452 mm (17.8") |
| Dimensions | Height | 484 mm (19.0") |
| | Depth | 227 mm(8.9") |
| Weight | | 75 kg (165.3lbs) |

SolutionPartner



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