

# RESU

Data sheet for RESU7H type-C

## RESU7H type-C

### Electrical Characteristics

|   |   |                            |
|---|---|----------------------------|
| Total Energy Capacity <sup>1)</sup>         | 7.0 kWh @25°C (77°F), Beginning of Life |                            |
| Usable Energy Capacity <sup>1)</sup>        | 6.6 kWh @25°C (77°F)                    |                            |
| Battery Capacity                            | 63 Ah                                   |                            |
| Voltage Range                               | Charge                                  | 468 to 550 V <sub>DC</sub> |
|   | Discharge                               | 430 to 507 V <sub>DC</sub> |
| Absolute Max. Voltage                       | 570 V <sub>DC</sub>                     |                            |
| Max. Charge/Discharge Current               | 7.5A@467V / 8.1A@427V                   |                            |
| Max. Charge/Discharge Power <sup>2)</sup>   | 3.5kW                                   |                            |
| Peak Power (only discharging) <sup>3)</sup> | 5kW for 10 sec.                         |                            |
| Peak Current (only discharging)             | 11.6A@430V for 10 sec.                  |                            |
| Communication Interface                     | CAN                                     |                            |
| DC Disconnect                               | Circuit Breaker, 25A, 600V rating       |                            |
| 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              |  |
| Noise Emission                      | < 40 dBA                        |  |

### Certification

|                                    |                |                            |
|------------------------------------|----------------|----------------------------|
| Safety                             | Cell           | UL1642                     |
|                                    | Battery Pack   | 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)

1) Value for Battery Cell Only (Depth of Discharge 95%). Actual usable energy at the AC output may vary by condition, such as the battery converter, inverter efficiency and temperature.

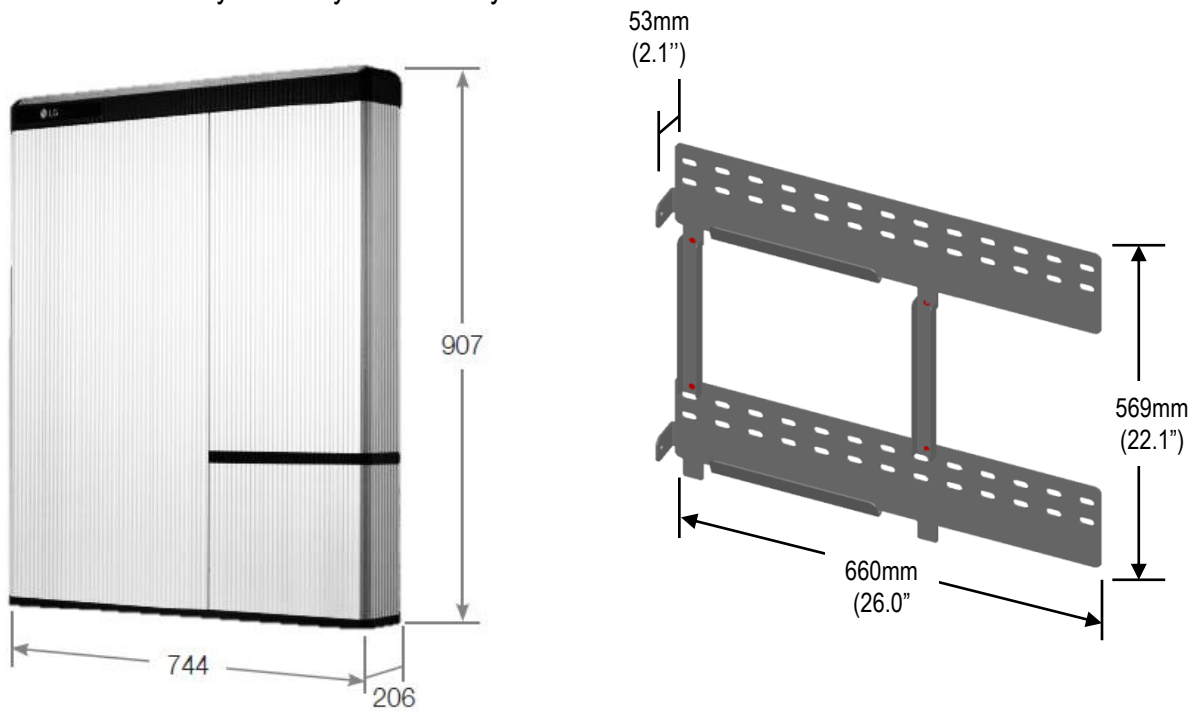
2) LG Chem recommends 2.1kW for maximum battery lifetime

3) Peak Current excludes repeated short duration (less than 5 sec. of current pattern).

## RESU7H type-C

### Features

- Emergency Power Back-up
- Compact size and space saving
- Matched with SMA Sunny Boy Storage models
- Wall mounting installation
- Proven Safety and 10 year warranty



### Mechanical Characteristics

|            |        |                 |
|------------|--------|-----------------|
| Dimensions | Width  | 744mm (29.3")   |
|            | Height | 907mm (35.7")   |
|            | Depth  | 206mm ( 8.1")   |
| Weight     |        | 97kg (191.8lbs) |

