

# RESU<sup>®</sup>

Data sheet for RESU10H

## Performance

### RESU10H

Electrical Characteristics		
Total Energy Capacity <sup>1)</sup>		9.8 kWh@25°C (77°F), 100% State of Energy
Usable Energy Capacity <sup>1)</sup>		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 <sup>2)</sup>		5kW
Peak Power <sup>3)</sup> (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).