RESU®

Data sheet for RESU7H

LG Chem

Performance

RESU7H

Electrical Characteristics		
Total Energy Capacity[1)]		7 kWh @25°C (77°F), 100% SOE
Usable Energy Capacity[1)]		6.6kWh
Battery Capacity		63 Ah
Voltage Range	Charge	400 to 450 VDC
	Discharge	350 to 430 VDC
Absolute Max. Voltage		520VDC
Max. Charge/Discharge Current		8.5A@420V / 10A@350V
Max. Charge/Discharge Power[2)]		3.5kW
Peak Power[3)] (only discharging)		5kW for 5 sec.
Peak Current (only discharging)		13.5A@370V for 5sec.
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(Wall-Mounted) / Outdoor
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	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 2.1kW for maximizing battery lifetime.

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