RESU FLEX

Battery Product Specification

LG Energy Solution

LG Energy Solution

Product Specification (1/2)

RESU FLEX

Electrical Characteristics			
Usable Energy[1] @77°F(25°C)	8.6 kWh	12.9 kWh	17.2 kWh
Voltage Range	192~265.6V	288~398.4V	384~531.2V
Max. Charge/Discharge Current	22A	22A	22A
Max. Charge/Discharge Power	4.3 kW	6.5 kW	8.5 kW
Peak Power (only discharging, for 3 sec.)[2]	5 kW	7kW	11 kW
Communication Interface	RS485, CAN(TBD)		
DC Protection	Circuit Breaker		
Connection Method	Spring Type Connector		
User interface	LEDs for Normal and Fault operation		
Protection Features	Over Voltage / Over Current / short circuit		
Scalability (Total Energy, Max. Charge/Discharge Power)	Max. 2 in parallel(TBD) (34.4 kWh @77°F (25°C))		

Operating Conditions		
Installation Location		Indoor / Outdoor
Installation Type		Stand / Wall Mount
Operating Temperature	Charge	14 ~ 122°F (-10 ~ 50°C)
	Discharge	14 ~ 122°F (-10 ~ 50°C)
Operating Temperature (Recommended)		68 ~ 86°F (20 ~ 30°C)
Storage Temperature (At shipping state)		-22 to 140°F (-30 to 60°C), acceptable for 7 days in total -4 to 113°F (-20 to 45°C), acceptable for the first 6 months -4 to 86°F (-20 to 30°C), acceptable for 7th month~12th month
Humidity		5%~95%
Altitude		Max. 6,562ft (2,000m)
Cooling Strategy		Natural Convection

Certification & Reliability		
Safety	Cell	UL1642, IEC62619
	Battery Pack	CE,RCM,UL1973, IEC62619, IEC62477-1
EMC		FCC,IEC61000-6-1/-2/-3
Transportation		UN38.3 (UNDOT)
Hazardous Materials Classification		Class 9
Ingress Rating		IP55

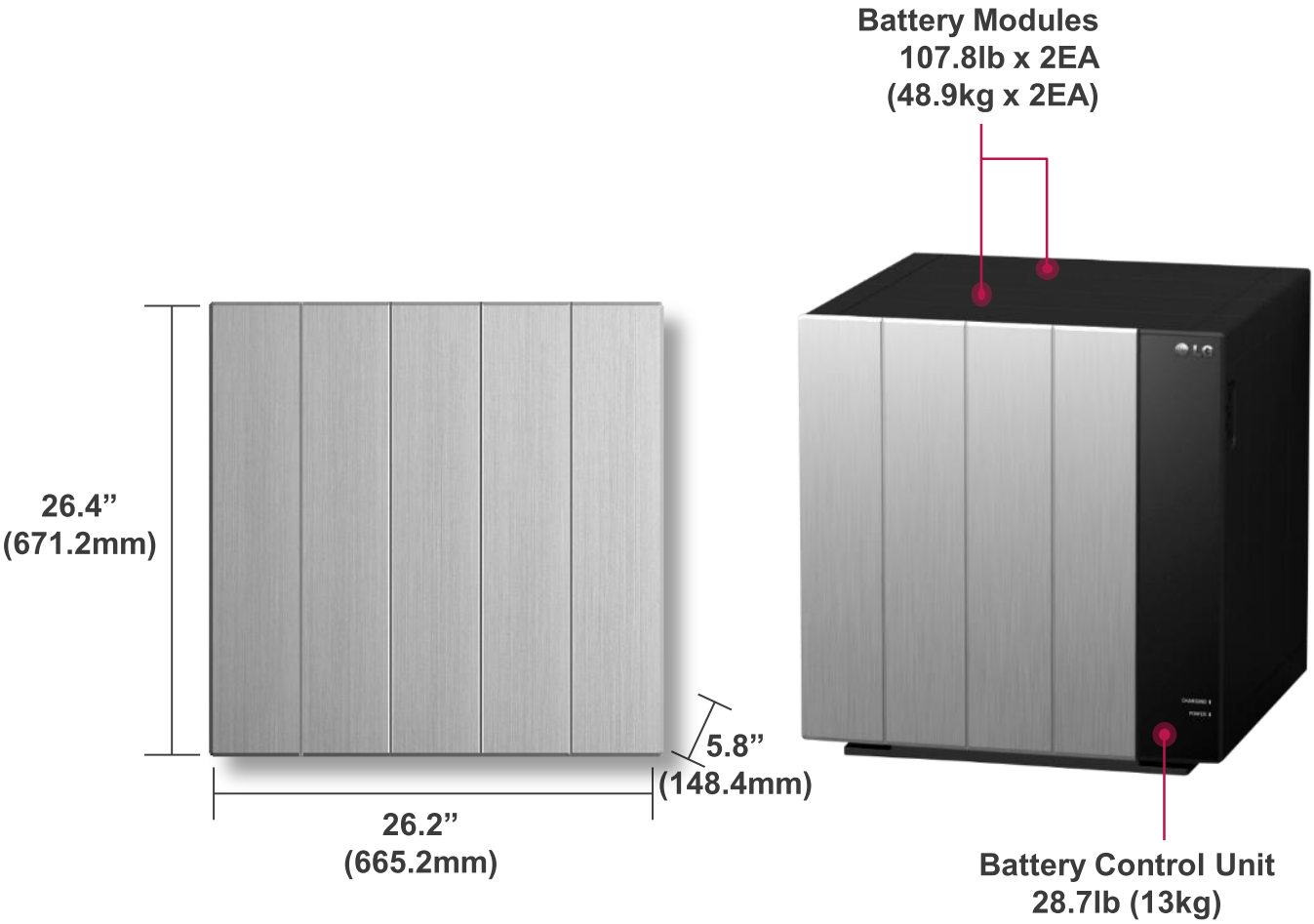
※ Test Conditions - Temperature 77°F (25°C), at the beginning of life
※ Usable Energy is measured under specific condition from LGC(0.3CCCV/0.3CC)
※ Product specification may change without notice
1) DOD 100%
2) Peak Current excludes repeated short duration (less than 10 sec. of current pattern).

LG Energy Solution

Product Specification (2/2)

RESU FLEX

Mechanical Characteristics		*Without design cover
Dimensions	Width	26.2 inch (665.2 mm)
	Height	26.4 inch (671.2 mm)
	Depth	5.8 inch (148.4 mm)
Weight		107.8 lb (48.9 kg)



*Drawings are with design covers



HQ: Parc-1 LG Energy Solution, 108, Yeoui-daero, Yeongdeungpo-gu, Seoul, 07335, Korea
http://www.lghomebattery.com http://www.lgensol.com