RESU FLEX

Battery Product Specification

LG Energy Solution

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Product Specification (1/2)

RESU FLEX

Electrical Characteristics			
Model name	FLEX 8.6	FLEX 12.9	FLEX 17.2
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	Power : Screw Clamp Connector Communication : Spring Type Connector		
User interface	LEDs for Normal and Fault operation		
Protection Features	Over Voltage / Over Current / short circuit		
Scalability (Total Energy)	Max. 2 in parallel(TBD) (Max. 34.4 kWh 25°C)		

Operating Conditions		
Installation Location		Indoor / Outdoor
Installation Type		Stand / Wall Mount
Operating Temperature	Charge	10 ~ 50°C
	Discharge	-10 ~ 50°C
Operating Temperature (Recommended)		20 ~ 30°C
Storage Temperature (At shipping state)		-30 to 60°C, acceptable for 7 days in total -20 to 45°C, acceptable for the first 6 months -20 to 30°C, acceptable for 7th month~12th month
Humidity		5%~95%
Altitude		Max. 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 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).

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Product Specification (2/2)

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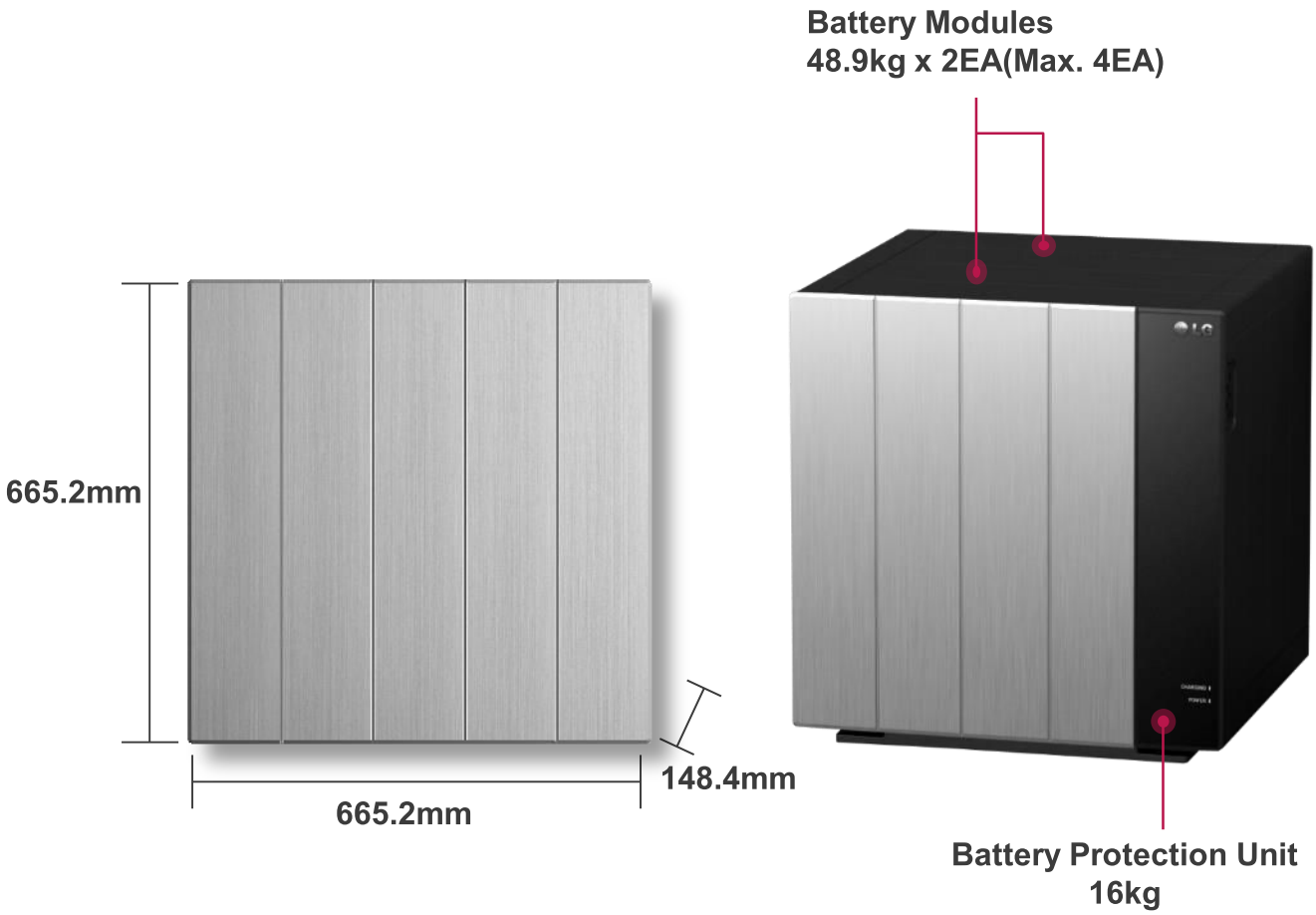
Mechanical Characteristics		
Dimensions	Width	665.2 mm
	Height	665.2 mm
	Depth	148.4 mm
Weight *		BMA[1]: 48.9 kg, BPU[2]: 16.5kg

*Without Design Cover and Standing Bracket



*Drawings are with design covers

[1] BMA : Battery Module Assembly
[2] BPU : Battery Protection Unit

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