# RESUFLEX Battery Product Specification





# **Product Specification (1/2)**

### **RESU FLEX**

Electrical Characteristics				
Usable Energy <sup>1)</sup> @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.) <sup>2)</sup>	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	Max. 2 in parallel(TBD)			
(Total Energy, Max. Charge/Discharge Power)	(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		

X Test Conditions - Temperature 77°F (25°C), at the beginning of life

W Usable Energy is measured under specific condition from LGC(0.3CCCV/0.3CC)

X Product specification may change without notice

<sup>1)</sup> DOD 100%

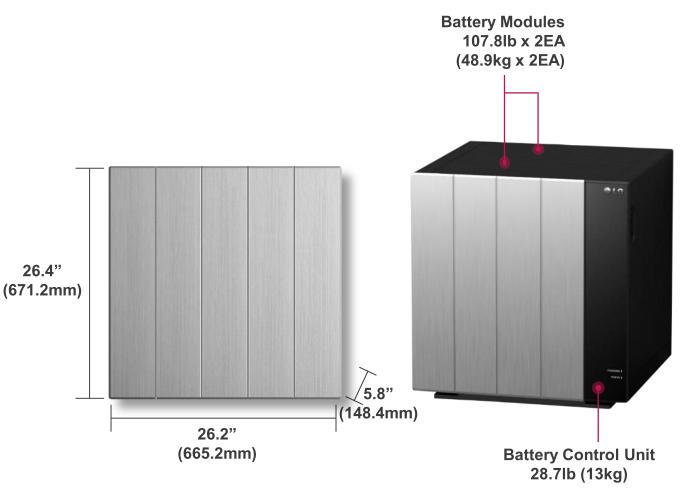
<sup>2)</sup> Peak Current excludes repeated short duration (less than 10 sec. of current pattern).



# **Product Specification (2/2)**

## **RESU FLEX**

Mechanical Characteristics		*Without design cover
	Width	26.2 inch (665.2 mm)
Dimensions	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

