

RESU 10H PRIME

9.6kWh Battery Pack Product Specification

Electrical Characteristics		
Nominal Energy		9.87 kWh
Usable Energy ¹⁾		9.6 kWh @77°F (25°C)
Voltage Range	Charge	420 ~ 450 V _{DC}
	Discharge	350 ~ 410V _{DC}
Max. Charge/Discharge Current		14.3A@350V
Max. Charge/Discharge Power		5kW
Peak Power (only discharging) ²⁾		7kW for 10 sec.
Battery Chemistry		Lithium Ion
Communication Interface		RS485/CAN
DC Protection		Circuit Breaker, Fuse, DCDC converter
Connection Method		Spring Type Connector
User interface		LEDs for Normal and Fault operation
Protection Features		Over Voltage / Over Current / short circuit / Reverse Polarity
Scalability (Total Energy, Max. Charge/Discharge Power)		Max. 2 in parallel (19.2 kWh @77°F (25°C), 10kW)
Operating Conditions		
Installation Location		Indoor/Outdoor, Floor standing, Wall-mounted
Operating Temperature	Charge	14 ~ 122°F (-10 ~ 50°C)
	Discharge	-4 ~ 122°F (-20 ~ 50°C)
Operating Temperature (Recommended)		59 ~ 86°F (15 ~ 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		
Safety	Cell	UL1642
	Battery Pack	UL1973 / CE / RCM / IEC 62619
Emissions		FCC
Hazardous Materials Classification		Class 9
Transportation		UN38.3 (UNDOT)
Ingress Rating		IP55

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

※ Usable Energy is measured under specific condition from LGES(0.3CPCV/0.3CP)

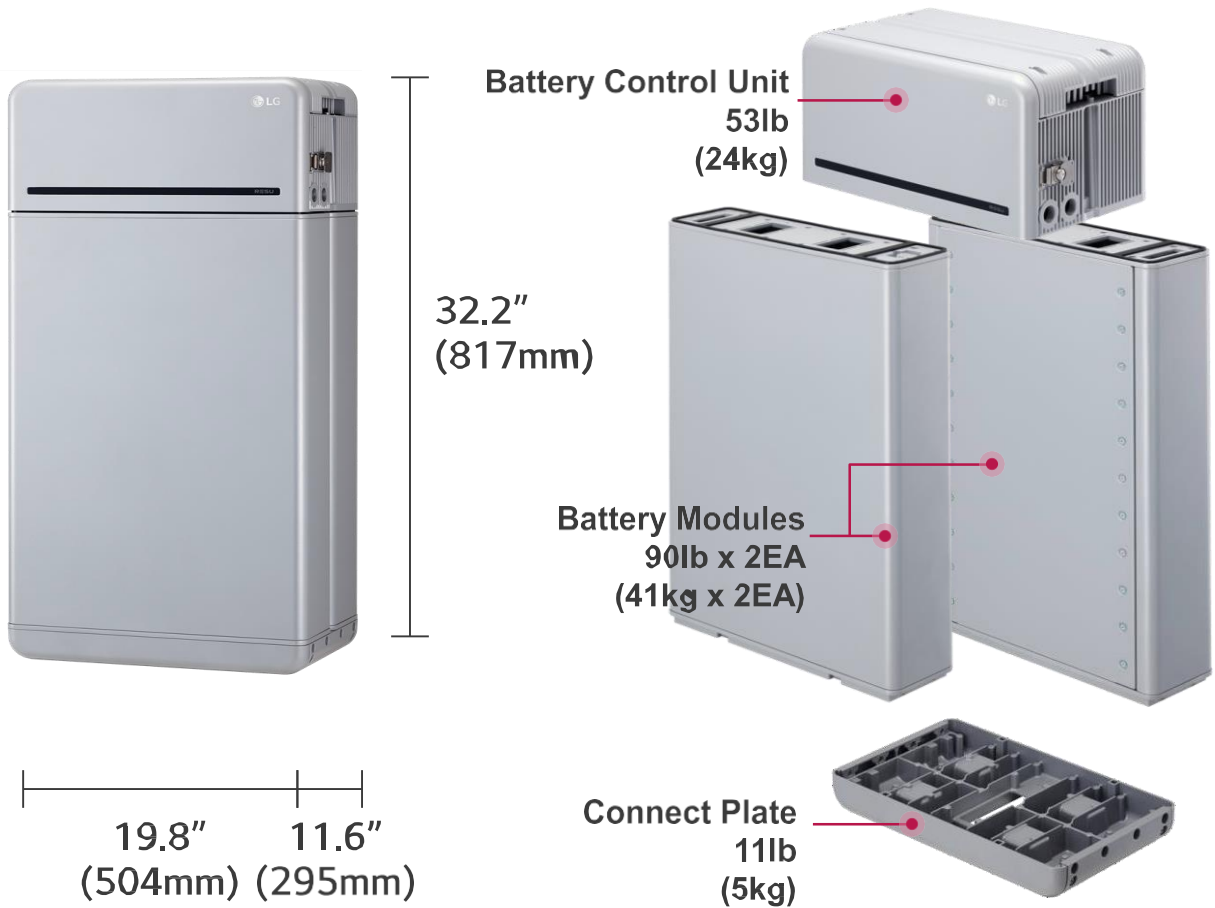
※ Product specification may change without notice

1) DOD 100%. DC/DC converter one way efficiency 97.5%. Ambient 77°F (25°C)

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

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Mechanical Characteristics		
Dimensions	Width	19.8 inch (504 mm)
	Height	32.2 inch (817 mm)
	Depth	11.6 inch (295 mm)
Weight		244 lb (111 kg)
Country of Manufacture	Cell	South Korea, China
	Pack	South Korea





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