RESU10H Prime

9.6kWh Battery Pack Product Specification

LG Energy Solution

Ver1.3

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Product Specification (1/2)

RESU10H Prime

Electrical Characteristics		
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.
Peak Current (only discharging)		20A for 10 sec.
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 LGC(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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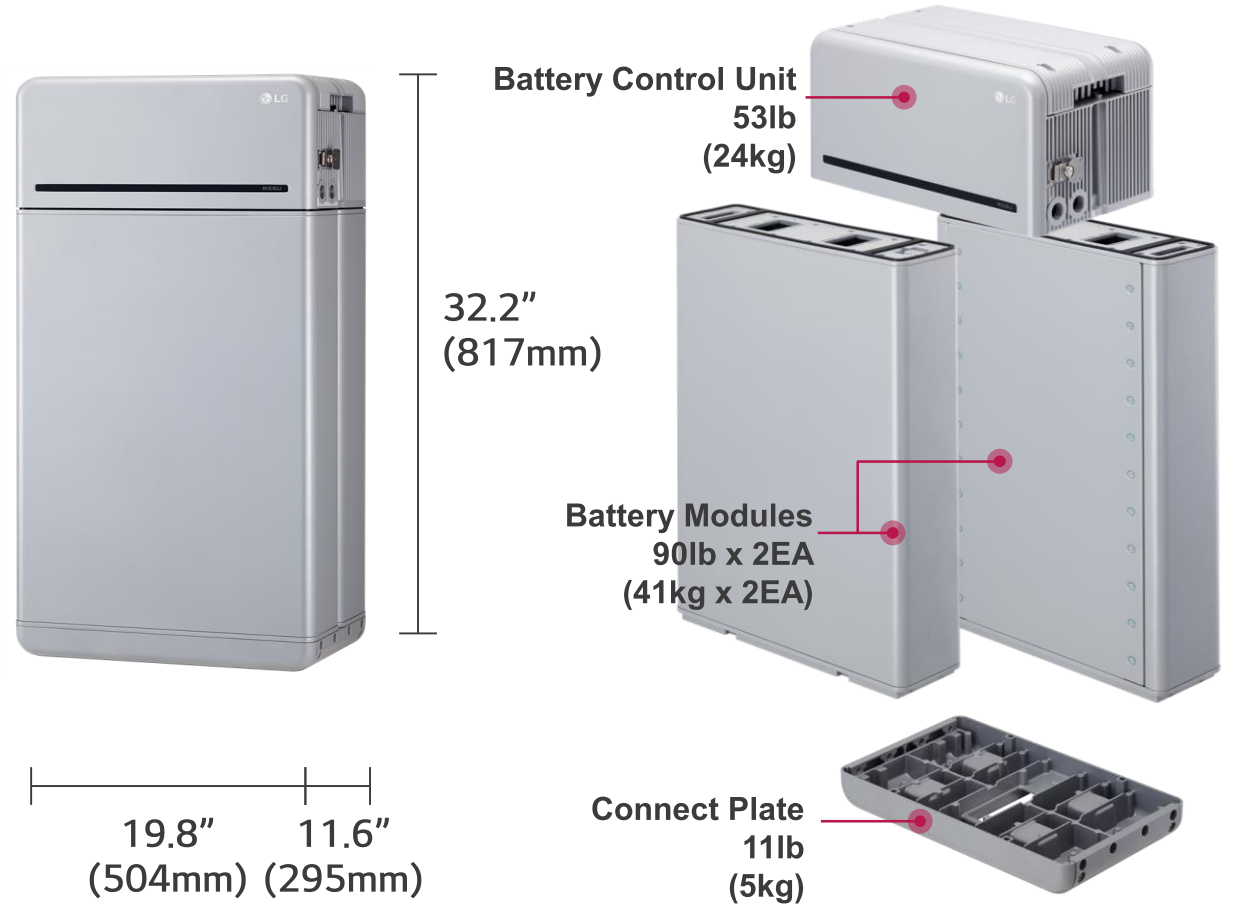
Product Specification (2/2)

RESU10H Prime

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)



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