

RESU16H Prime

16.0kWh Battery Pack Product Specification

RESU 16H Prime

Electrical Characteristics		
Usable Energy ¹⁾		16.0 kWh @77°F (25°C)
Voltage Range	Charge	420 ~ 450 V _{DC}
	Discharge	350 ~ 410V _{DC}
Max. Charge/Discharge Current		20A@350V
Max. Charge/Discharge Power		7 kW
Peak Power (only discharging) ²⁾		11 kW for 10 sec.
Peak Current (only discharging)		32.8A for 10 sec.
Communication Interface		RS485/CAN
DC Disconnect		Circuit Breaker
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 (32.0 kWh @77°F (25°C), 14kW)

Operating Conditions	
Installation Location	Indoor / Outdoor, Stand only
Operating Temperature	14 ~ 122°F (-10 ~ 50°C)
Operating Temperature (Recommended)	59 ~ 86°F (15 ~ 30°C)
Storage Temperature	-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 / TUV (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

※ Total Energy is measured under specific condition from LGC(0.3CCCV/0.3CC)

※ 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	42.8 inch (1086 mm)
	Depth	11.6 inch (295 mm)
Weight	350 lb (159 kg)	



