

RESU 10M

9.8kWh Modular Type Battery Pack Specification



RESU10M

Electrical Characteristics

Total Energy Capacity	9.8 kWh
Usable Energy Capacity ¹⁾	9.3 kWh ¹⁾
Battery Capacity	63 Ah
Voltage Range	126.0 to 176.4 V _{DC}
Nominal Voltage	155.4 V _{DC}
Max. Charge/Discharge Current	39.6 A
Max. Charge/Discharge Power ³⁾	5.0 kW
Battery Pack Round-Trip Efficiency	>95% (under specific condition)
Communication Interface	CAN 2.0B
DC Disconnect	Circuit Breaker, Contactor, Fuse

Operating Conditions

Installation Location	Indoor / Outdoor (Wall-mounted / Floor Standing)
Operating Temperature	-10 to 50°C
Operating Temperature (Recommended)	15 to 30°C
Storage Temperature	-30 to 60°C : ~7 days -20 to 45°C : ~6 months
Humidity	5% to 95%
Altitude	Max. 2,000 m
Cooling Strategy	Natural Convection

Certification

Safety	Cell	UL1642
	Battery Pack	IEC62619 / IEC60950(LVD) / CE
Emissions		IEC61000-6-1, IEC61000-6-3
Hazardous Materials Classification		Class 9
Transportation		UN38.3
Ingress Rating		IP55

※ Test Conditions - Temperature 25°C, at the beginning of life

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

1) Value for Battery Cell Only (Depth of Discharge 95%). Actual usable energy at the AC output may vary by condition, such as the inverter efficiency and temperature.

Mechanical Characteristics

		Module	Pack
Dimensions	Width	452 mm	452 mm
	Height	418 mm	511 mm
	Depth	120 mm	240 mm
Weight		36 kg	82 kg

* BPU Unit : 10 kg



