

Data sheet for RESU13



Dimensions and weight

RESU13		
P/N	EH048252P3S1	
Width	452 mm (17.8")	
Height	626 mm (24.7")	
Depth	227 mm (8.94")	
Weight ¹⁾	98.5kg(217.2lbs)	

¹⁾ A battery pack's weight varies slightly.



Performance

RESU13

Electrical Characteristics	
Nominal voltage	51.8 V
Operating voltage	42~58.8 V
Nominal Capacity	252 Ah
Total Energy	13.048kWh
Maximum power	5kW
Peak power for 3 seconds	7kWp
Peak power for backup mode	11kW for 3sec
Peak current for 3 seconds	166.7 A
Maximum current	119 A
Standard Charge current	75.6 A
Standard Disharge current	75.6 A
Faradic charge efficiency(25°C/77°F)	99%
Battery round-trip efficiency	95%
(C/3, 25°C/77°F)	Mana than 40 areas
Expected lifetime at 25°C/77°F	More than 10 years
Communication Interface	CAN 2.0 B
DC Disconnect	Circuit Breaker
Connection Method	Spring Type Connector
User interface	LEDs for Normal and Fault operation
Operating Conditions	
Installation Location	Indoor / Outdoor (Stand / Wall- Mounted)
Operating Temperature	14 to 122°F (-10 to 50°C)
Operating Temperature (Recommended)	59 to 86°F (15 to 30°C)
Storage Temperature	-22 to 140°F (-30 to 60°C) : ~ 7 day -4 to 113°F(-20 to 45°C) : ~6 month
Humidity	5% to 95%
Altitude	Max. 6,562ft (2,000m)
Cooling Strategy	Natural Convection
Certification	

Certification		
Safety	Cell	UL1642
	Battery Pack	CE / RCM / TUV(IEC 62619)
Emissions		IEC61000-6-1, IEC61000-6-3
Hazardous Materials		Class 9
Classification		
Transportation		UN38.3
Ingress Rating		IP55

- $\ensuremath{\text{\#}}$ Test Conditions Temperature 25 $\ensuremath{\mathbb{C}}$, at the beginning of life.
- Value for Battery Cell Only(Depth of Discharge 95%).
 Peak Current excludes repeated short duration(less than 3 sec. of current pattern).