

enblock C13

Electrical Characteristics

Total Energy Capacity	13.0 kWh
Usable Energy Capacity ¹⁾	12.4 kWh
Battery Capacity	252 Ah
Voltage Range	42.0 to 58.8 V _{DC}
Nominal Voltage	51.8 V _{DC}
Max. Charge/Discharge Current	119A
Peak Current ²⁾	166.7A for 3 sec.
Max. Charge/Discharge Power ³⁾	5.0kW
Peak Power ²⁾	7.0kW for 3 sec.
Peak Power for backup mode	11.0kW for 3 sec.
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 (Stand / Wall-Mounted)
Ingress Rating	IP55
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. 2,000m
Cooling Strategy	Natural Convection

Certification

Safety	Cell	UL1642
	Battery Pack	CE / RCM / TUV(IEC 62619)/ FCC
EMC		IEC61000-6-1, IEC61000-6-3
Hazardous Materials Classification		Class 9
Transportation		UN38.3

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

※ Total Energy is measured under specific condition from LGES(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.

2) Peak Current excludes repeated short duration (less than 3 sec. of current pattern).

3) LGES recommends 0.3CP for maximum battery lifetime. Maximum power will vary due to temperature and SOC

Features

enblock C13 battery pack designed for photovoltaic systems is easily adaptable energy storage solution. With parallel box, enblock C13 can be connected with the same model.

※ Parallel box is an expansion kit specially designed for 48V models.

Number of expandable battery units : up to 2EA

- Backup functionality supported
- Powerful Performance : World Best Energy Density
- Easy and Flexible installation
 - : Easy wall-mounted or floor-standing installation enable
 - : Diverse Matched Inverters Available
- BMS firmware can be updated easily by using SD Card



Mechanical Characteristics

Dimensions	Width	452 mm (17.8")
	Height	626 mm (24.7")
	Depth	227 mm (8.9")
Weight		98.5 kg (217.2lbs)



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