GC Energy Storage

Low voltage battery series for 1-phase inverters



Energy independence

in case of power outages

efficiency

High

over 98% for charge / discharge

Storing sustainable energy

directly from the photovoltaic system

Long life span, safe technology

thanks to lithium-iron-phos-

Easy installation, wide compatibility

with popular solar inverters

More usable capacity

with 100% depth

Expandable capacity

Modern design

that match every interior

Eligible for subsidies

10-year warranty

Parameters:

Cell Technology: Cell Model:
Cells Configuration:
Nominal Capacity: Nominal Capacity:
Rated Energy:
Initial Internal Resistance:
Nominal Voltage:
Charge Cut-Off Voltage:
Discharge Cut-Off Voltage:
Standard Charge Current:
Max. Charge Current:
Standard Discharge Current:
Max. Discharge Current:
Depth of Discharge:
Self Discharge:
Efficiency: Efficiency: Scallability¹:

Certification:

LFP (Lithium Iron Phosphate) 100 Ah / 3,2 V

16S1P 100 Ah 5120 Wh

5120 Wh 51,2 V 59,2 V (total) or 3.7 V (cell) 43.2 V (total) or 2.7 V (cell) 20 A

< 100 A

≤ 100 A
50 A
≤ 100 A
100%
100%
≥ 98% (Charge (0.2C) / Discharge (0.2C))
Up to 8 modules (40.96 kWh)
1. Through parallel connection when max. output current is equal or smaller than 100A
2. Through bus box (obligatory) when max. output current is higher than 100A

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CE, IEC 62619:2017, UN38.3

Operating Conditions:

Installation Location: Operating Temperature: Recommended Operating Temperature: Charging Temperature: Discharging Temperature: Storage Temperature: Humidity: Altitude Max.: Cooling System: Noise: Enclosure Protection Rating:

Physical Characterstics:

Weight: Dimensions (L x W x H): Enclosure Type: Enclosure Colour:

50 ± 1 kg 600 x 480 x 135 mm Painted metal

2000 m

Passive < 30 dB

Indoor (wall-mounted)
-20 ~ +55 °C (-4 ~ 131 °F)
+15 ~ +30 °C (59 ~ 86 °F)
0 ~ +55 °C (32 ~ 131 °F)
-20 ~ +55 °C (-4 ~ 131 °F)
+15 ~ +35 °C (59 ~ 95 °F)
10 -90 %

Communication / Connection:

Communication Method: Connection Method:

RS485, RS232 RJ45 / RJ11 LCD screen with button

Warranty:

10 years or 15 MWh energy throughput