Deye GB-A

Modular high voltage $LiFePO_4$ battery system with 2kWh modules for Japanese market.

Models Covered: GB-A

Manufacturer: Ningbo Deye Technology Co., Ltd. (Stock Code: 605117.SH)

Application: The Deye GB-A is a residential energy storage system designed specifically for the Japanese market with JET certification. Featuring $LiFePO_4$ chemistry, 2kWh modular capacity, 51.2V nominal voltage, 39.1Ah capacity, dual operation modes (standalone & grid-connected), reverse current protection, 101V/202V compatibility, and IP65 protection, it's the safe and reliable choice for home energy storage.

Technical Specifications

Parameter	GB-A
General Data	
Available Models / Configurations	5kW, 6kW, 8kW
Electrical / AC Output Data	
Nominal Voltage	51.2 V
Operating Voltage Range	358.4~460.8 V
System Nominal Voltage	153.6 V
Module Nominal Voltage	51.2 V
Status Indicator	Yellow:Red:BatteryBatteryHighSystemVoltageAlarmPower On
Battery Data	
Battery Energy Capacity	2. kWh
Battery Type / Chemistry	LiFePO4
Cycle Life	25±2°C,0.5C/0.5C, EOL70%≥6000 cycles
Max Charge Current	28 A
Max Charge Power	10 kW
Max Continuous Charge/Discharge Current	37 A
Max Discharge Current	37 A
Module Capacity	39.1 Ah
Module Energy	2 kWh
Recommended Charge/Discharge Current	20 A
Recommended DoD	90%
Max AC Charge Current	28 A
Protection Features	
IP Rating	IP65
Mechanical Data	
Design / Form Factor	Floor I mount

Parameter	GB-A
Operating Conditions	
Max Altitude	2000m
Operating Temperature	Charge/Discharge: -20~55 °C
Relative Humidity	5 ~ 95%
Storage Temperature Range	0~35 °C
Communication	
Communication Interface	CAN2.0/ RS485

Note: Specifications are based on the official Deye GB-A datasheet. Values may be subject to change; always verify against the latest manufacturer documentation before system design and procurement.

Configurations & shipping weights

Configuration	Weight	Dimensions (W × D × H)
GB-A-PACK4 — 4 kWh	62 kg	700 × 200 × 695 mm
GB-A-PACK6 — 10 kWh	121 kg	700 × 200 × 1135 mm
GB-A-PACK6*2 — 16 kWh	180 kg	700 × 200 × 1575 mm

This listing covers several shippable configurations. Each row is the manufacturer's stated figure for that build; the page weight above is the smallest one, which is what a single unit ships at.

Availability & grid compliance in UAE

Market	UAE
Grid authority / regulator	DEWA, ADDC, SEWA
Quotation currency	AED
Support hours timezone	Asia/Dubai
Delivery & installation coverage	Dubai, Abu Dhabi, Sharjah, Ajman, Ras Al Khaimah

Figures on this page are the manufacturer's own, measured at the test conditions the datasheet states — they do not change by country. What changes is the approval that has to be met before the unit is energised: in UAE that is DEWA, ADDC, SEWA. Confirm the grid code, import requirements and any local certification with them, or with us, before you order.

Key Features & Technical Highlights

- **$LiFePO_4$ Chemistry:** Safe, long-lasting storage
- **Dual Operation:** Standalone & grid-connected
- **Reverse Protection:** Ensures grid safety
- **28A Charging:** Fast battery charging
- **Multiple Models:** 5kW, 6kW, 8kW options
- **JET Certified:** Japan market approved

Frequently Asked Questions

▶ Is the DEYE GB-A suitable for hot climates like the Gulf?

▶ What is the module capacity?

▶ Is this certified for Japan?

Official Source & Documentation

This technical datasheet is derived from official manufacturer documentation provided by **Ningbo Deye Technology Co., Ltd.**. For the latest specifications, firmware updates, and official documentation, visit the manufacturer's website.

- **Manufacturer Website:** www.deyeinverter.com
- **Technical Support:** sales@deyeinverters.net | +971 4 255 0887
- **Sales Inquiries:** sales@deyeinverters.net | +971 4 255 0887

Disclaimer: *All specifications and technical data presented on this page are based on the official Deye GB-A datasheet published by Ningbo Deye Technology Co., Ltd. Specifications are subject to change without notice. Always verify against the latest manufacturer documentation at deyeinverter.com before system design, procurement, or installation. Compliance with local regulations, grid codes (DEWA, ADDC, SEWA) and utility requirements in UAE is the responsibility of the system designer/installer.*

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