

Deye SE-G10.2

10.24 kWh Low Voltage LiFePO4 Battery with 6000+ cycle life and modular design.

Models Covered: SE-G10.2

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

Application: The Deye SE-G10.2 is a high-capacity cobalt-free lithium iron phosphate battery designed for efficient residential and commercial energy storage. With 200Ah capacity and 10.24 kWh energy storage per unit, it offers excellent value for larger installations. Expandable up to 64 units in parallel for a maximum of 655 kWh storage capacity.

Technical Specifications

Parameter	SE-G10.2
Electrical / AC Output Data	
Nominal Voltage	51.2 V
Operating Voltage Range	44.8 V – 57.6 V
Status Indicator	3LED (working, alarming, protecting)
Battery Data	
Battery Energy Capacity	10.24 kWh
Nominal Capacity	200 Ah
Battery Type / Chemistry	LiFePO ₄
Cycle Life	≥6000(25°C±2°C,0.5C/0.5C,90%DOD,70%EOL) cycles
Max Charge Current	100A (200A peak)
Max Charge/Discharge Current	100 A
Max Discharge Current	100A (200A peak)
Recommended DoD	80%
Protection Features	
IP Rating	IP20
Certification / Compliance Safety	UN38.3,MSDS
Protection Features	The minimum cell capacity of some cells deteriorates; voltage is less than 2.8V too fast or the internal resistance of; some cells is too high.
Mechanical Data	
Installation / Mounting	Floor/Wall/Rack
Operating Conditions	
Charging Temperature Range	0 to 55 °C
Discharging Temperature Range	-20 to 55 °C
Max Altitude	≤2000m

Parameter	SE-G10.2
Operating Temperature	Discharge:-20°C~55°C °C
Relative Humidity	0 ~ 95%
Storage Temperature Range	0°C~35°C °C
Communication	
Communication Interface	CAN2.0, RS485

Note: Specifications are based on the official Deye SE-G10.2 datasheet. Values may be subject to change; always verify against the latest manufacturer documentation before system design and procurement.

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

- **10.24 kWh Capacity:** 200Ah high capacity for larger energy needs
- **Scalable to 655 kWh:** Connect up to 64 units in parallel for commercial installations
- **6000+ Cycle Life:** Long-lasting cobalt-free LiFePO4 chemistry
- **Safe & Eco-Friendly:** Non-toxic, pollution-free materials with no thermal runaway risk
- **Wide Temperature Range:** Operates from -20°C to 55°C for various climates
- **Auto Networking:** Remote monitoring and firmware upgrade support

Frequently Asked Questions

► What's the difference between SE-G5.1 and SE-G10.2?

► How many SE-G10.2 units can I connect together?

► Is the SE-G10.2 safe for indoor installation?

► What certifications does the SE-G10.2 have?

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 SE-G10.2 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.

Last Updated: 2026-01-24 | **Document Version:** 2.0 | **Data Source:** Deye Official Datasheet | **Published by:** DEYE MJS Solutions (deyeinverters.net)