

Deye RW-L10.2

10.24 kWh IP65 battery with 9.22 kWh usable energy and 32-unit scalability.

Models Covered: RW-L10.2

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

Application: The Deye RW-L10.2 is a high-capacity 10.24 kWh residential battery with 200Ah capacity and 9.22 kWh usable energy at 90% DoD. Featuring IP65 protection, built-in circuit breaker, intelligent BMS, and flexible rack/wall mounting, it's ideal for homes needing reliable backup power with scalability up to 327 kWh.

Technical Specifications

Parameter	RW-L10.2
Electrical / AC Output Data	
Max Parallel Units	32
Nominal Voltage	51.2 V
Operating Voltage Range	44.8~57.6 V
Energy Throughput	16MWH kWh
Battery Data	
Battery Energy Capacity	10.24 kWh
Max System Capacity	327.68 kWh
Nominal Capacity	200 Ah
Usable Energy	9.22 kWh
Battery Type / Chemistry	LiFePO4
Cycle Life	≥6000 cycles
Peak Charge/Discharge Current	300/300 (10 sec) A
Recommended DoD	90%
Protection Features	
IP Rating	IP65
Certification / Compliance Safety	UN38.3, MSDS
Mechanical Data	
Installation / Mounting	Wall-Mounted, Floor-Mounted
Operating Conditions	
Max Altitude	≤2000m
Operating Temperature	-20 to 55 °C
Relative Humidity	0 ~ 95%
Storage Temperature Range	0°C~35°C °C
Communication	

Parameter	RW-L10.2
Communication Interface	CAN2.0, RS485
Display	LCD(SOC and working state)

Note: Specifications are based on the official Deye RW-L10.2 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:** 9.22 kWh usable at 90% DoD
- **IP65 Protection:** Waterproof and dustproof
- **Built-in Circuit Breaker:** Enhanced safety protection
- **Scalable to 327 kWh:** Up to 32 units in parallel
- **Flexible Mounting:** Rack or wall installation
- **Remote Monitoring:** Deye platform compatible

Frequently Asked Questions

- ▶ What inverters is the DEYE RW-L10.2 compatible with?
- ▶ Is the DEYE RW-L10.2 suitable for hot climates like the Gulf?
- ▶ What's the usable energy of the RW-L10.2?
- ▶ Can I install it outdoors?

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 RW-L10.2 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.

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