

Deye RW-L2.5A

2.56 kWh compact IP65 battery with 25.6V system and 81.92 kWh scalability.

Models Covered: RW-L2.5A

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

Application: The Deye RW-L2.5A is a compact 2.56 kWh entry-level battery perfect for smaller installations or as building blocks for larger systems. With 25.6V nominal voltage, IP65 protection, built-in circuit breaker, and scalability up to 32 units (81.92 kWh), it offers flexible energy storage solutions.

Technical Specifications

Parameter	RW-L2.5A
Electrical / AC Output Data	
Max Parallel Units	32
Nominal Voltage	25.6 V
Operating Voltage Range	22.4~28.8 V
System Nominal Voltage	25.6 V
Energy Throughput	4MWH kWh
Battery Data	
Battery Energy Capacity	2.56 kWh
Max System Capacity	81.92 kWh
Nominal Capacity	100 Ah
Usable Energy	23 kWh
Battery Type / Chemistry	LiFePO4
Cycle Life	≥6000(25°C+2°C,0.5C/0.5C,90%DOD,70%EOL) cycles
Peak Charge/Discharge Current	200/200 (10 sec) A
Recommended DoD	90%
Protection Features	
IP Rating	IP65
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-L2.5A
Communication Interface	CAN2.0, RS485
Display	LCD(SOC and working state)

Note: Specifications are based on the official Deye RW-L2.5A 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

- **Compact 2.56 kWh:** Perfect entry-level solution
- **IP65 Protection:** Indoor and outdoor rated
- **25.6V System:** Low voltage safety
- **Scalable to 81.92 kWh:** Up to 32 units in parallel
- **Built-in Circuit Breaker:** Enhanced safety
- **Remote Monitoring:** Deye platform compatible

Frequently Asked Questions

► Is the DEYE RW-L2.5A suitable for hot climates like the Gulf?

► What's the RW-L2.5A best for?

► Can I expand the system later?

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-L2.5A 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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