

Deye MS-G230 / MS-G215

230kWh/215kWh micro grid system with 100kW output, multi-fusion technology, and intelligent thermal management.

Models Covered: MS-G230 / MS-G215

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

Application: The Deye MS-G230 and MS-G215 are powerful micro grid systems for global markets. Featuring 230kWh/215kWh energy capacities, 100kW nominal output power, LiFePO₄ chemistry, multi-fusion technology with integrated EMS converter and BMS, power supply redundancy, black start functionality, intelligent temperature control (max 35°C, <8°C difference), scalable with MPPT/charging modules and diesel generator connection, intelligent BMS with comprehensive protection, aerosol fire extinguishing, 1-hour flame retardant protection, C4 shell, and operation from -20°C to 45°C up to 3,000m altitude, they're versatile solutions for peak shaving, demand control, renewable energy integration, backup power, and off-grid applications.

Technical Specifications

Parameter	MS-G230 / MS-G215
PV String Input Data	
Max PV Input Power	200 kW
Electrical / AC Output Data	
Max Efficiency	98.5%
Peak / Surge Power (W)	1.1 time of rated power
Rated AC Power	100 kW
Max Parallel Units	12 PCS
Nominal Voltage	51.2 V
Operating Voltage Range	DC:660 ~ 876 V
Rated AC Output Current	152 A
THD / THDi	<3%
Grid Type / Phase	3L/PE
Max AC Output Current	167 A
Power Factor	-1~1
Battery Data	
Battery Energy Capacity	14.3 kWh
Round-Trip Efficiency	88%
Battery Type / Chemistry	LiFePO ₄
Cycle Life	≥6000(@25°C±2°C,0.5C/0.5C,70%EOL) cycles
Protection Features	
IP Rating	IP54
Mechanical Data	
Installation / Mounting	Floor-Mounted
Operating Conditions	
Max Altitude	3,000 m

Parameter	MS-G230 / MS-G215
Operating Temperature	-20 to 45 °C
Relative Humidity	15% ~ 85% (No Condensing)
Corrosion Rating	≤C5
Communication	
Communication Interface	ETH/4G

Note: Specifications are based on the official Deye MS-G230 / MS-G215 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

- **100kW Output:** High power delivery
- **230/215kWh:** Dual capacity options
- **Multi-Fusion Tech:** Integrated EMS/BMS
- **Smart Thermal:** Max 35°C, <8°C diff
- **Black Start:** Grid-independent restart
- **3000m Altitude:** High altitude operation

Frequently Asked Questions

- ▶ Is the DEYE MS-G230 / MS-G215 suitable for hot climates like the Gulf?
- ▶ What applications are these suitable for?
- ▶ What is the difference between MS-G230 and MS-G215?

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 MS-G230 / MS-G215 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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