

Deye GB-SL Pro

All-in-one high voltage battery with 4kWh modules, 10-unit parallel, and diesel generator support.

Models Covered: GB-SL Pro

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

Application: The Deye GB-SL Pro is a premium all-in-one high voltage energy storage system with integrated design for beautiful scene integration. Featuring 4 kWh modules, up to 10 units parallel operation, diesel generator charging support, and advanced thermal management with optional heating for cold climates.

Technical Specifications

Parameter	GB-SL Pro
General Data	
Generator Support	Yes (Diesel)
PV String Input Data	
Max PV / DC Voltage	1000 V
Max PV Input / Array Open Circuit Voltage	1000 V
MPPT Voltage Range	150 ~ 850 V
Start-up Voltage	150 V
MPPT Nominal Voltage	600 V
Nominal DC Voltage	600 V
Electrical / AC Output Data	
Peak / Surge Power (W)	1.5 time of rated power, 10 S
Rated AC Power	60% rated power
AC Grid Connection Type	3L+N+PE
Max Parallel Units	10
Nominal AC Voltage Range	220/380V, 230/400V 0.85Un-1.1Un
Operating Voltage Range	166.4~700.8 V
THD / THDi	<3% (of nominal power)
Adjustable Power Factor Range	0.8 leading to 0.8 lagging
Grid Type / Phase	Three Phase
Module Nominal Voltage	102.4 V
Power Factor	0.8 leading to 0.8 lagging
Unbalanced Output	10% per phase
Max Inverter Backfeed Current	0 A
Battery Data	
Battery Type / Chemistry	LiFePO4

Parameter	GB-SL Pro
Battery Voltage Range	160 ~ 700 V
Cycle Life	25±2°C,0.5C / 0.5C,70%EOL≥6000 cycles
Max Charge/Discharge Current	40 A
Module Capacity	40 Ah
Module Energy	4 kWh
Peak Charge/Discharge Current	50@2min A
Recommended Charge/Discharge Current	20 A
Recommended DoD	90%
Number of Battery Inputs	1
Protection Features	
IP Rating	IP65
Anti-Islanding Protection	Integrated
Grid Connection Standards	IECUNE61727,IEC217002,OVE-Richtlinie62116,CEI0-21,ENR25,G99,VDE-AR-N50549,NRS097,RD4105140,
Heating Film / Function	Optional
Output Short-Circuit Protection	Integrated
Over-Current Protection	Integrated
Over-Temperature / Thermal Protection	Yes
Over-Voltage Protection	DC Type II / AC Type III
Overvoltage Category	OVC II(DC), OVC III(AC)
Protection Features	Fuses
Residual Current Monitoring Unit	Integrated
Safety / EMC Standards	IEC / EN 61000-6-1 / 2 / 3 / 4, IEC / EN 62109-1, IEC / EN 62109-2
Mechanical Data	
Cooling	Natural Cooling
Design / Form Factor	All-in-One Integrated
Installation / Mounting	Floor Mount

Parameter	GB-SL Pro
Operating Conditions	
Max Altitude	≤2000m
Noise Level	<55 dB
Operating Temperature	40 ~ 60°C, >45°C derating °C
Relative Humidity	5 ~ 85%
Storage Temperature Range	0 ~ 35 °C
Communication	
Communication Interface	CAN2.0, RS485

Note: Specifications are based on the official Deye GB-SL Pro 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)
8 kWh	137 kg	540 × 385 × 1100 mm
12 kWh	176 kg	540 × 385 × 1320 mm
16 kWh	215 kg	540 × 385 × 1540 mm
20 kWh	254 kg	540 × 385 × 1760 mm
24 kWh	293 kg	540 × 385 × 1980 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

- **All-in-One Design:** Integrated, beautiful appearance
- **High Voltage System:** 179-691V operating range
- **10-Unit Parallel:** On-grid and off-grid operation
- **Generator Support:** Charge from diesel generator
- **Thermal Management:** Key component monitoring
- **Optional Heating:** For cold climate applications

Frequently Asked Questions

- ▶ Is the DEYE GB-SL Pro suitable for hot climates like the Gulf?
- ▶ Can I charge the GB-SL Pro from a diesel generator?
- ▶ What makes it 'All-in-One'?

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
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Disclaimer: All specifications and technical data presented on this page are based on the official Deye GB-SL Pro 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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