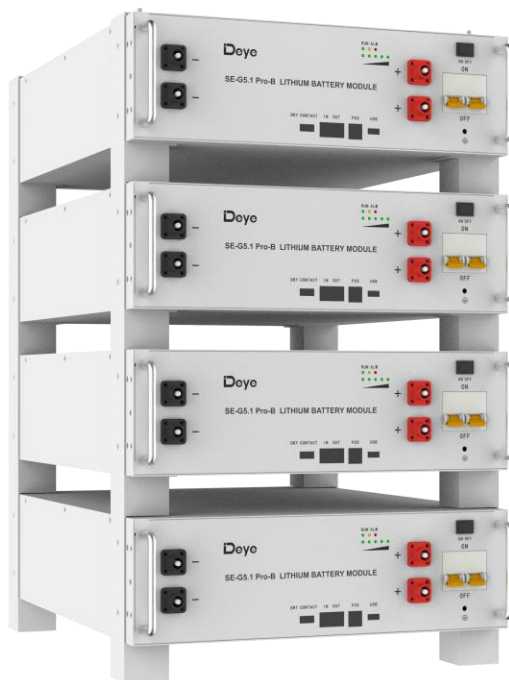


# SE-G5.1 Pro-B



#### ◆ Safer

Cobalt Free Lithium Iron Phosphate (LFP) Battery: Safety and long Lifespan, high efficiency and high power density. Intelligent BMS, providing complete protection.

#### ◆ Reliable

Support high discharge power. IP20, natural cooling, wide temperature range: -20°C to 55°C.

#### ◆ Flexible

Modular design, easy to expand, Max. 64 units in parallel, Max. capacity of 327kWh. Suited to residential and commercial applications for increasing the self-consumption ratio.

#### ◆ Convenient

Battery module auto networking, easy maintenance, support remotely monitoring and upgrade, support USB drive upgrade the firmware.

#### ◆ Eco-Friendly

Use environmental protection materials, the whole module non-toxic, pollution-free.

#### ◆ Three Mounting Methods

19inch Standard design, support rack-mounted, wall-mounted, and floor-mounted, saving installation space.

Model		SE-G5.1 Pro-B
<b>Main Parameter</b>		
Battery Chemistry	LiFePO <sub>4</sub>	
Capacity (Ah)	100	
Scalability	Max. 64 pcs pack (327kWh) in parallel (Max. 32 pcs no external setup)	
Nominal Voltage (V)	51.2	
Operating Voltage(V)	43.2~57.6	
Nominal Energy (kWh)	5.12	
Usable Energy (kWh) <sup>[1]</sup>	4.6	
Charge/Discharge Current (A) <sup>[2]</sup>	Recommend	50
	Max.	100
	Peak(2mins,25°C)	150
<b>Other Parameter</b>		
Recommend Depth of Discharge	90%	
Dimension (W/H/D, mm)	440*133*540	
Weight Approximate(kg)	45	
Master LED Indicator	5LED(SOC:20%~SOC100%),3LED (working, alarming, protecting)	
IP Rating of Enclosure	IP20	
Operating Temperature	Charge: 0~55°C ( Optional heating: -20°C~55°C ), Discharge: -20°C~55°C	
Storage Temperature	0~35°C	
Humidity	5%~95%	
Altitude	≤2000m	
Cycle Life	≥6000(25°C±2°C,0.5C/0.5C,90%DOD,70%EOL)	
Installation	Wall-Mounted, Floor-Mounted, Rack-Mounted (19-inch standard cabinet, cabinet depth ≥600mm )	
Communication Port	CAN2.0, RS485	
Warranty Period <sup>[3]</sup>	10 years	
Energy Throughput	16MWh@70%EOL	
Certification	UN38.3, IEC62619, CE,UK, VDE2510-50, CEI 0-21, FCC, UL1973, UL9540A	

[1] DC Usable Energy, test conditions: 90% DOD, 0.5C charge & discharge at 25°C. System usable energy may vary due to system configuration parameters.

[2] The current is affected by temperature and SOC.

[3] Conditions apply, refer to Deye Warranty Letter.

## Introduction

This series lithium iron phosphate battery is one of new energy storage products developed and produced by Deye , it can be used to support reliable power for various types of equipment and systems.

This series is especially suitable for application scene of high power, limited installation space, restricted load-bearing and long cycle life.

This series has built-in BMS battery management system, which can manage and monitor cells information including voltage, current and temperature. What's more, BMS can balance cells charging to extend cycle life. Multiple batteries can connect in parallel for larger capacity and longer power supporting.

Model	Accessories Parts Description	Remark
3U-LBCable150	Battery Parallel Cable (Included)	Battery power and communication parallel connection cable (when using the 3U-bracket floor mount)
3U-LPCable1500	Hybrid inverter Cable (Included)	Battery power and communication cable connect with hybrid inverter
3U-LRfe	Battery Rack Fixed Ears (Included)	Used for battery fixing with 19inch rack or cabinet
3U-Bracket	Battery Brackets (Included)	Simple stacking bracket, 1 unit including 4 pcs brackets, Max. stacking 4 floors
3U-W-Bracket	Battery Wall-Mounted Brackets and screws (Included)	Simple wall hanging support.



**Model: 3U-LBCable150**

**Details:** Pair of 150mm 4AWG Battery power cable (both ends have waterproof terminals) and one 250mm RJ45 communication cable for battery parallel.



**Model: 3U-LPCable1500**

**Details:** Pair of 4AWG DC power cable (one end has a waterproof terminal, the other end is M10 copper terminal) and one RJ45 communication cable connect with hybrid inverter. The default length is 1500mm.



**Model: 3U-LRfe**

**Details:** Pair of rack fixed ears used for battery fixing with 19inch rack or cabinet.



**Model: 3U-Bracket**

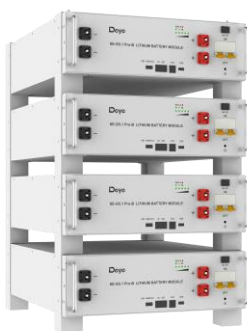
**Details:** Simple stacking bracket, height 187mm, 1 set including 4 pcs brackets, Max. stacking 4 floors.



**Model: 3U-W-Bracket**

**Details:** Pair of simple wall hanging support, included 4 sets of M6 expansion screws.

**Mounting example**



**Floor-Mounted**



**Wall-Mounted**



**Rack-Mounted**