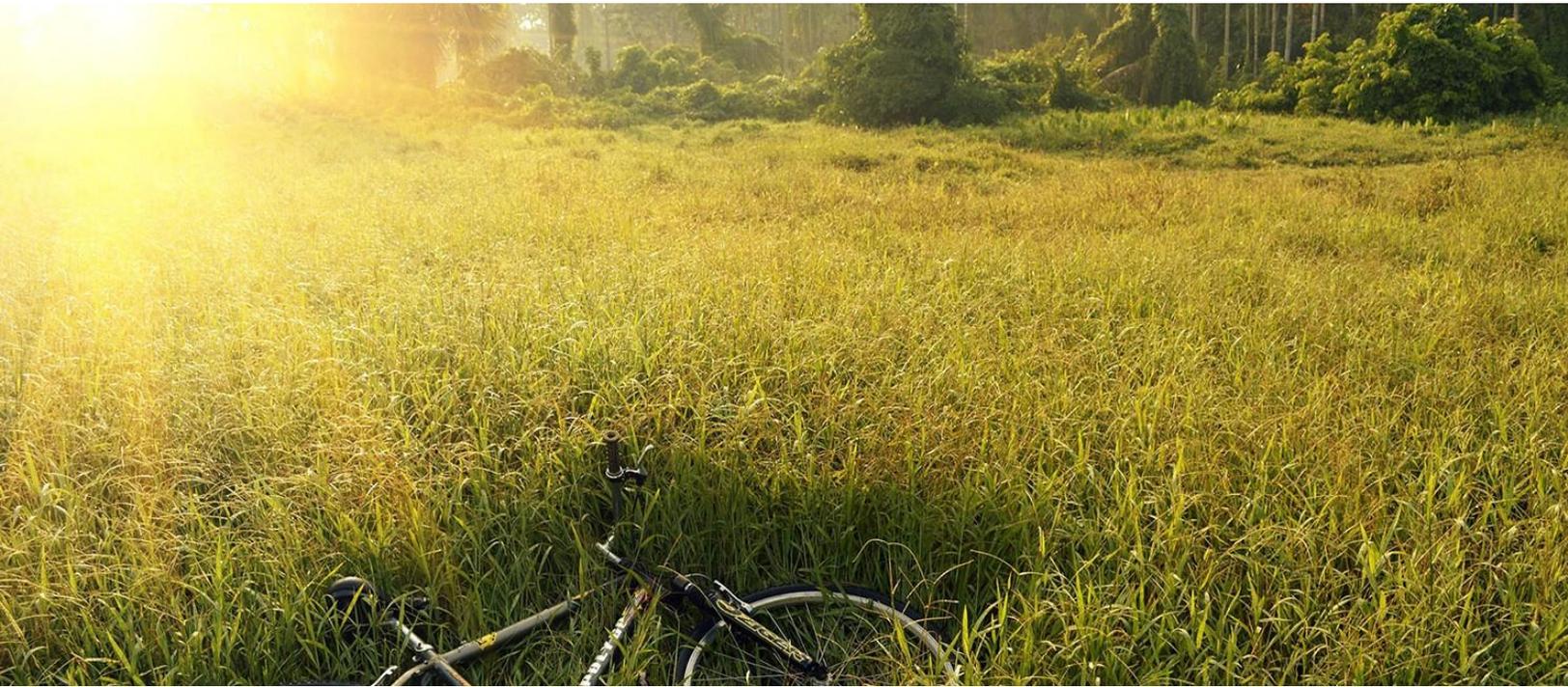


SE-G5.1 Pro



◆ 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.



Stock Code: 605117.SH

Model		SE-G5.1 Pro
Main Parameter		
Battery Chemistry	LiFePO4	
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	
Energy (kWh)	5.12	
Usable Energy (kWh) ^[1]	4.61	
Charge/Discharge Current (A)	Recommend ^[2]	50
	Max. ^[2]	100
	Peak(2mins,25°C)	150
Other Parameter		
Recommend Depth of Discharge	90%	
Dimension (W/H/D, mm)	445*133*430	
Weight Approximate(kg)	44	
Master LED Indicator	5LED(SOC:20%~SOC100%),3LED (working, alarming, protecting)	
IP Rating of Enclosure	IP20	
Operating Temperature	Charge:0~55°C / Discharge:-20°C~55°C	
Storage Temperature	0°C~35°C	
Humidity	5%~95%	
Altitude	≤2000m	
Cycle Life	≥6000(25°C±2°C,0.5C/0.5C,70%EOL)	
Installation	19-inch standard cabinet, cabinet depth ≥600mm / with rack	
Communication Port	CAN2.0, RS485	
Warranty Period ^[3]	10 years	
Energy Throughput ^[3]	16MWh@70%EOL	
Certification	UN38.3, UL1973, IEC62619, CE, CEI 0-21	

[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] The warranty is due whichever reached first of warranty period or life cycle power.

Introduction

This series lithium iron phosphate battery is one of new energystorage 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 battery 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 duration requirements.

Model	Accessories Parts Description	Remark
3U-LBCable	Battery Parallel Cable (Included)	Battery power and communication parallel connection cable
3U-LRfe	Battery Rack Fixed Ears (Included)	Used for battery fixing with 19inch rack or cabinet
3U-Bracket	Battery Brackets (Optional)	Simple stacking bracket, 1 unit including 4 pcs brackets, Max. stacking 4 floors
3U-HRack	Battery Rack (Optional)	Special battery rack, can install 13 pcs batteries
3U-LRack	Battery Rack (Optional)	Special battery rack, can install 9 pcs batteries
3U-LPCable	Hybrid inverter Cable (Optional)	Battery power and communication cable connect with hybrid inverter



Model: 3U-LBCable

Details: Pair of 300mm 4AWG Power cable and 300mm RJ45 communication cable for battery parallel.



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-HRack

Details: Special battery rack, can install 13 pcs batteries, included special battery hanging ears.

Dimension(W×D×H): 589 × 590 × 2240mm

Weight Approximate: 85kg



Model: 3U-LRack

Details: Special battery rack, can install 9 pcs batteries, included special battery hanging ears.

Dimension(W×D×H): 589 × 590 × 1640mm

Weight Approximate: 65kg



Model: 3U-LPCable

Details: Pair of 4AWG battery power cable and RJ45 communication cable connect with hybrid inverter, one end of the power cable has a copper terminal (M6), and the other end is suspended. The cable length can be customized based on customer requirements, default length is 2000mm.