

SE-G5.3



◆ 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 340kWh. 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.

Model		SE-G5.3
Main Parameter		
Battery Chemistry	LiFePO ₄	
Capacity (Ah)	104	
Scalability	Max. 64 pcs pack (340kWh) in parallel (Max. 32 pcs no external setup)	
Nominal Voltage (V)	51.2	
Operating Voltage(V)	43.2~57.6	
Energy (kWh)	5.32	
Usable Energy (kWh)	4.79	
Charge/Discharge Current (A)	Recommend	50
	Max.	100
	Peak	150 (2mins,25°C)
Other Parameter		
Recommend Depth of Discharge	90%	
Dimension (W/H/D, mm)	440*133*560	
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 (Optional heating) / 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/1C, 90%DOD, 70%EOL)	
Installation	19-inch standard rack (depth ≥600mm / with), Floor-Mounted, Wall-Mounted,	
Communication Port	CAN2.0, RS485	
Warranty Period	10 years	
Energy Throughput	16MWh@70%EOL	
Certification	CE, IEC62619, UN38.3	

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.