

# SE-G15.3 SE-G20.4



#### ◆ Safer

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

#### ◆ Reliable

High efficiency and high discharge power, natural cooling, wide temperature range: -4°F (-20°C) to 131°F (55°C).

#### ◆ Flexible

Modular design, module capacity 5kWh, easy to expand, Max. 8 sets in parallel, Max. capacity of 163.8kWh. Suited to residential and commercial applications for increasing the self-consumption ratio.

#### ◆ Convenient

The battery module has automatic IP address, easy maintenance, and supports the upgrade of the battery firmware through the inverter.

#### ◆ Eco-Friendly

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

Model	SE-G15.3	SE-G20.4
<b>Main Parameter</b>		
Battery Chemistry	LiFePO <sub>4</sub>	
Capacity (Ah)	300	400
Scalability	Max.8 units in parallel	
Nominal Voltage (V)	51.2	
Operating Voltage(V)	43.2~57.6	
Energy (kWh)	15.36	20.48
Usable Energy (kWh) <sup>[1]</sup>	13.82	18.43
Charge/Discharge Current (A)	Recommend <sup>[2]</sup>	200
	Max. <sup>[2]</sup>	360
	Peak(10s,25°C)	200
<b>Other Parameter</b>		
Recommend Depth of Discharge	90%	
Dimension (W×D×H)	20.5"×13.1"×52.9" (520×333×1,345mm, with base)	
Weight Approximate	379 lbs. (172kg)	476 lbs. (216kg)
Enclosure Protection Rating	Type 3R (IP55)	
Operating Temperature	Charge: 32°F ~ 131°F (0 ~ 55°C) Discharge: -4°F ~ 131°F (-20°C ~ 55°C)	
Operating Temperature (Recommended)	59°F ~ 86°F (15°C ~ 30°C)	
Storage Temperature	32°F ~ 95°F (0°C ~ 35°C)	
Humidity	5%~95%	
Altitude	≤Max. 6,562 ft (2,000m)	
Cycle Life	≥6,000(25°C±2°C,0.5C/0.5C,70%EOL)	
Installation	Floor-Mounted	
Communication Port	CAN2.0, RS485	
Warranty Period <sup>[3]</sup>	10 years	
Certification	UL1973, UL9540A, FCC, UN38.3, 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 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 and discharging to extend cycle life.

Multiple batteries can connect in parallel for larger capacity and longer power supporting duration requirements.

Model	Accessories Parts Description	Remark
G20.4-BCable	Battery Parallel copper bar and cable (Included)	Inner battery power and communication parallel connection cable
G20.4-PCable	Hybrid inverter Cable (Optional)	Battery system power and communication cable connect with hybrid inverter



**Model: G20.4-BCable**

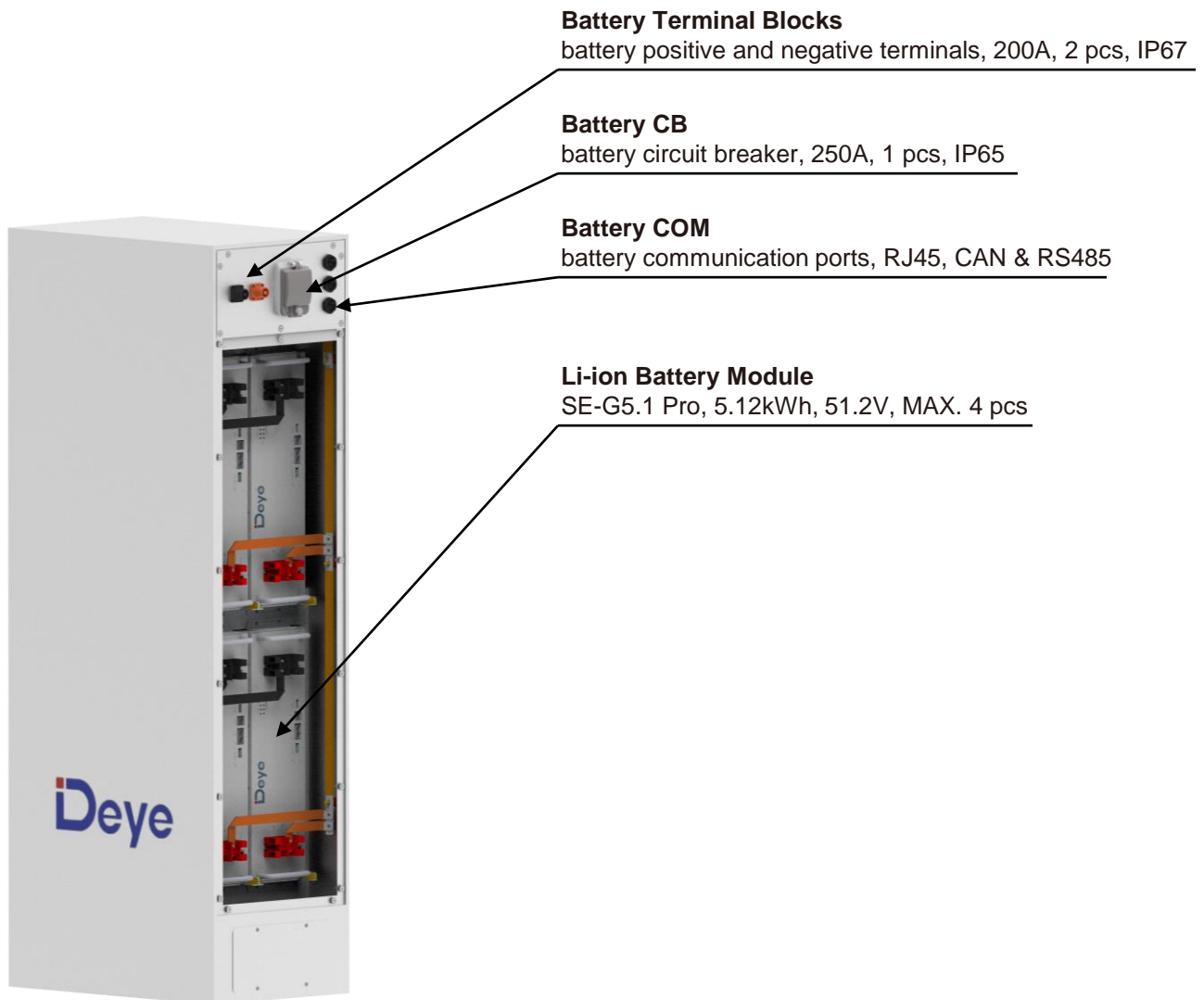
**Details:** 4 sets, power copper bar and RJ45 communication cable are used for parallel connection of internal batteries.



**Model: G20.4-PCable**

**Details:** Pair of 2/0AWG battery power cable and RJ45 communication cable connect with hybrid inverter, default length is **1500mm**.

## Product internal details



**Battery Terminal Blocks**

battery positive and negative terminals, 200A, 2 pcs, IP67

**Battery CB**

battery circuit breaker, 250A, 1 pcs, IP65

**Battery COM**

battery communication ports, RJ45, CAN & RS485

**Li-ion Battery Module**

SE-G5.1 Pro, 5.12kWh, 51.2V, MAX. 4 pcs

