

GP-SR1-RN150

- ◆ Structural and electrical safety
- ◆ Ease of installation and maintenance
- ◆ Programmatic cell sorting for matched cells
- ◆ Active balancing technology
- ◆ Compatibility with leading inverters
- ◆ Scalability up to 215kWh



GP-SR1-RN150

15kWh Module

51.2V Low Voltage System

The Gobel Power Battery GP-SR1-RN150 is a lithium iron phosphate (LFP) battery pack for use with an external inverter. A single Battery Module has about 15kWh capacity and can reach to 215kWh if 15 modules parallel connected.

Accessories GP-SR1-RN150

Parts	Quantity	Details
Battery Model	1	GP-SR1-RN150
Mounting Bracket	2	Fix the battery to the wall
RS232 Cable	1	Communication cable between BMS and PC software
Network Cable	1	Communication cable between BMS and Inverter
DC Power Cable	2	Pair of 3AWG DC Power Cable connect with Inverter, 1m, M8 terminal

TECHNICAL PARAMETERS GP-SR1-RN150

Battery Module	GP-SR1-RN150			
Dimensions (H/W/D)	882.5 X 482.6 X 241 mm			
Weight	118 kg			
Number of Modules	1	2	3	15
Usable Energy [1]	14.3kWh	28.6kWh	42.9kWh	214.5kWh
Nominal Capacity	280Ah	560Ah	840Ah	4200Ah
Max Cont. Output Current	150A	300A	450A	2250A
Max Cont. Output Power	7.2kW	14.4kW	21.6kW	108kW
Max Cont. Input Current [2]	140A	280A	420A	2100A
Max Cont. Input Power	7.2kW	14.4kW	21.6kW	108kW
Nominal Voltage	51.2 VDC			
Operating Voltage	44 ~ 55.2 V			
Operating Temperature	-20 °C to +50 °C			
Battery Cell Technology	Lithium Iron Phosphate (cobalt-free)			
Communication	CAN / RS485 / RS232			
Enclosure Protection Rating	IP21			
Round-Trip Efficiency	≥95%			
Scalability	Max. 15 Modules in Parallel (214.5 kWh)			
Certification	CE / UN38.3			
Applications	ON Grid / ON Grid + Backup / OFF Grid			
Warranty [3]	10 Years			
Compatible Inverters	Refer to Gobel Power Inverter Compatibility List			

[1] DC Usable Energy, Test conditions: 100% DOD, 0.2C charge & discharge at +25 °C. System Usable Energy may vary with different inverter brands.

[2] Charge derating will occur below +15 °C.

[3] Conditions apply. Refer to Gobel Power Limited Warranty Letter.