

GP-SR1-PC314

- ◆ 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 241kWh



GP-SR1-PC314

16kWh Module

51.2V Low Voltage System

The Gobel Power Battery GP-SR1-PC314 is a lithium iron phosphate (LFP) battery pack for use with an external inverter. A single Battery Module has about 16kWh capacity and can reach to 241kWh if 15 modules parallel connected.

Accessories GP-SR1-PC314

Parts	Quantity	Details
Battery Model	1	GP-SR1-PC314
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 50mm ² DC Power Cable connect with Inverter, 1m, M8 terminal

TECHNICAL PARAMETERS GP-SR1-PC314

Battery Module	GP-SR1-PC314			
Battery Cells	314Ah Prismatic LiFePO4 Cells			
BMS	GP-PC200 200A BMS			
Active Balancer	4A Bluetooth Active Balancer			
Dimensions (H/W/D)	884 X 482.6 X 241.3 mm			
Weight	118 kg			
Number of Modules	1	2	3	15
Usable Energy [1]	16.07kWh	32.14kWh	48.21kWh	241.05kWh
Nominal Capacity	314Ah	628Ah	942Ah	4710Ah
Max Cont. Output Current	150A	300A	450A	2250A
Max Cont. Output Power	7.68kW	15.36kW	23.04kW	115.2kW
Max Cont. Input Current [2]	150A	300A	450A	2250A
Max Cont. Input Power	7.68kW	15.36kW	23.04kW	115.2kW
Nominal Voltage	51.2 VDC			
Operating Voltage	44 ~ 58.4 V			
Operating Temperature	-20 °C to +55 °C			
Battery Cell Technology	Lithium Iron Phosphate (cobalt-free)			
Communication	CAN / RS485 / RS232			
Monitor	Home Assistant Monitor (Optional)			
Enclosure Protection Rating	IP21			
Round-Trip Efficiency	≥95%			
Scalability	Max. 15 Modules in Parallel (241.05 kWh)			
Certification	CE / UN38.3 / IEC 62619			
Applications	ON Grid / ON Grid + Backup / OFF Grid			
Warranty [3]	10 Years			
Compatible Inverters	Refer to Gobel Power Inverter Compatibility List			