

GP-SF1-314

- ♦ Structural and electrical safety
- ♦ Ease of installation and maintenance
- ♦ Programmatic cell sorting for matched cells
- ♦ Active balancing technology
- ♦ Compatibility with leading inverters
- ♦ IP65 protection rating



GP-SF1-314

16kWh Module

51.2V Low Voltage System

The Gobel Power Battery GP-SF1-314 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-SF1-314

Parts	Quantity	Details
Battery Model	1	GP-SF1-314
RS232 Cable	1	Communication cable between BMS and PC software
Network Cable	1	Communication cable between BMS and Inverter

TECHNICAL PARAMETERS GP-SF1-314

Battery Module	GP-SF1-314			
Battery Cells	314Ah Prismatic LiFePO4 Cells			
BMS	200A BMS			
Active Balancer	Built-in 2A Active Balancer			
Dimensions (H/W/D)	960 * 480 * 270 mm±2.00mm			
Weight	125 kg±2kg			
Number of Modules	1	2	3	63
Usable Energy	16.08kWh	32.15kWh	48.23kWh	1013.04kWh
Nominal Capacity	314Ah	628Ah	942Ah	19782Ah
Max Cont. Output Current	150A	300A	450A	9450A
Max Cont. Output Power	7.68kW	15.36kW	23.04kW	483.84kW
Max Cont. Input Current	150A	300A	450A	9450A
Max Cont. Input Power	7.68kW	15.36kW	23.04kW	483.84kW
Nominal Voltage	51.2 VDC			
Operating Voltage	44 ~ 58.4 V			
Operating Temperature	-20 °C to +60 °C			
Installation	Floor installation/Outdoor installation			
Communication	CAN / RS485 / RS232 / WIFI			
Enclosure Protection Rating	IP65			
Round-Trip Efficiency	≥95%			
Scalability	Max. 63 Modules in Parallel (1013.04 kWh)			
Certification	CE / UN38.3			
Applications	ON Grid / ON Grid + Backup / OFF Grid			
Warranty [3]	5 to 10 Years			
Compatible Inverters	Deye, GoodWe, Growatt, Invt, Pylon, SMA, Victron, Voltronic, Solis, SRNE, SOFAR, MUST, Schneider, Luxpower, Afore, Sorotec, TBB, MEGAREVO, Senergy, GIGACITY			