

GP-PB2-JK314

- ♦ 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-PB2-JK314

16kWh Module

51.2V Low Voltage System

The Gobel Power Battery GP-PB2-JK314 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-PB2-JK314

Parts	Quantity	Details
Battery Model	1	GP-PB2-JK314
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-PB2-JK314

Battery Module	GP-PB2-JK314			
Battery Cells	314Ah Prismatic LiFePO4 Cells			
BMS	GP-JK200 200A BMS			
Active Balancer	Built-in 2A Active Balancer			
Dimensions (H/W/D)	921 X 440 X 300 mm			
Weight	154 kg			
Number of Modules	1	2	3	15
Usable Energy	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	150A	300A	450A	2250A
Max Cont. Input Power	7.68kW	15.36kW	23.04kW	115.2kW
Nominal Voltage	51.2 VDC			
Operating Voltage	44 ~ 55.2 V			
Operating Temperature	-20 °C to +55 °C			
Battery Cell Technology	Lithium Iron Phosphate (cobalt-free)			
Communication	CAN / RS485			
Enclosure Protection Rating	IP21			
Round-Trip Efficiency	≥95%			
Scalability	Max. 15 Modules in Parallel (241.05 kWh)			
Certification	CE / UN38.3			
Applications	ON Grid / ON Grid + Backup / OFF Grid			
Warranty [3]	5 Years			
Compatible Inverters	Deye, GoodWe, Growatt, Invt, Must, Pylon, SMA, SRNE, Victron, Voltronic			