

GP-PW1-PC100

- ◆ Structural and electrical safety
- ◆ Ease of installation and maintenance
- ◆ Programmatic cell sorting for matched cells
- ◆ Compatibility with leading inverters
- ◆ Scalability up to 76.8kWh
- ◆ PC Software Monitoring & Debug
- ◆ Voltage/Current/Temperature Protection



GP-PW1-PC100

5.12kWh Module

51.2V Low Voltage System

The Gobel Power Battery GP-PW1-PC100 is a lithium iron phosphate (LFP) battery pack for use with an external inverter. A single Battery Module has about 51.2kWh capacity and can reach to 76.8kWh if 15 modules parallel connected.

Accessories GP-PW1-PC100

Parts	Quantity	Details
Battery Model	1	GP-PW1-PC100
Mounting Bracket	1	Fix the battery to 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 25mm ² DC Power Cable connect with Inverter, 1m, M8 terminal

TECHNICAL PARAMETERS GP-PW1-PC100

Battery Module	GP-PW1-PC100			
Battery Cells	16S EVE 100Ah Prismatic LiFePO4 Cells			
BMS	GP-PC100 BMS			
Dimensions (H/W/T)	500 X 448 X 165 mm			
Weight	53.5 kg			
Number of Modules	1	2	3	15
Usable Energy [1]	5.12kWh	10.24kWh	15.36kWh	76.8kWh
Nominal Capacity	100Ah	200Ah	300Ah	1500Ah
Max Cont. Output Current	100A	200A	300A	1500A
Max Cont. Output Power	5.12kW	10.24kW	15.36kW	76.8kW
Max Cont. Input Current [2]	100A	200A	300A	1500A
Max Cont. Input Power	5.12kW	10.24kW	15.36kW	76.8kW
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 / RS232			
Active Balancer	Optional			
Enclosure Protection Rating	IP21			
Round-Trip Efficiency	≥95%			
Scalability	Max. 15 Modules in Parallel (76.8 kWh)			
Applications	ON Grid / ON Grid + Backup / OFF Grid			
Warranty [3]	5 Years			
Compatible Inverters	Refer to Gobel Power Inverter Compatibility List			