

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			
Active Balancer	4A Bluetooth Active Balancer			
Dimensions (H/W/T)	500 X 448 X 165 mm			
Weight	53.5 kg			
Number of Modules	1	2	3	15
Usable Energy	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	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			
Monitor	Home Assistant Monitor (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	5 Years			
Compatible Inverters	Refer to Gobel Power Inverter Compatibility List			