

# 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

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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

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| 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 <sup>2</sup> 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 |          |          |         |