

GP-LA12-100AH

- ◆ Structural and electrical safety
- ◆ Aluminum Alloy Case
- ◆ Low Temperature Charge Protection
- ◆ Programmatic cell sorting for matched cells
- ◆ Support Series Connection up to 48V
- ◆ Scalability up to 20kWh



GP-LA12-100AH

1.28kWh Module

12.8V Low Voltage System

The Gobel Power Battery GP-LA12-100AH is a lithium iron phosphate (LFP) battery pack for use with an external inverter. A single Battery Module has about 1.28kWh capacity and can reach to 20kWh if 16 modules in 4P4S series and parallel connected.

Accessories GP-LA12-100AH

Parts	Quantity	Details
Battery Model	1	GP-LA12-100AH
Lifting Strap	1	Lift the battery

TECHNICAL PARAMETERS GP-LA12-100AH

Battery Module	GP-LA12-100AH Premium
Dimensions (H/W/D)	260L*192W*195H mm
Weight	10 kg
Nominal Voltage	12.8 VDC
Nominal Capacity	100AH
Operating Voltage	11 ~ 13.8 V
Max Charge Current	100A
Max Discharge Current	100A
Protection Features	Over/Under Voltage, Over Current, Low/High Temperature
Operating Temperature	-20 °C to +50 °C
Battery Cell Technology	Lithium Iron Phosphate (cobalt-free)
Cell Model	EVE HSEV Grade LF100L
BMS	GP-JBD100 BMS
Communication	Bluetooth
Round-Trip Efficiency	≥95%
Scalability	Max. 16 Modules in 4P4S (20 kWh)
Case Material	Aluminum Alloy
Enclosure Protection Rating	IPX6
Certification	UN38.3
Applications	ON Grid / ON Grid + Backup / OFF Grid
Warranty [3]	5 Years

[1] DC Usable Energy, Test conditions: 100% DOD, 0.2C charge & discharge at +25 °C. System Usable Energy may vary with different inverter brands.

[2] Charge derating will occur below +15 °C.

[3] Conditions apply. Refer to Gobel Power Limited Warranty Letter.