



Solar battery sub systems - GEL

Range of high performance batteries

A range of 65Ah to 250Ah 12V/24V, valve regulated lead acid (VRLA) battery with gel electrolyte technology to get long service lifetime and high performance. It can be used in wide ambient temperature range and delivering good performance.

Advanced technology for high performance

Gel electrolyte technology

- Long service lifetime and high performance in deep discharging

Wide range of ambient temperature

- Good performance of constant power input

Robust connections

- IP67 connectors
- Plug and play design for easy wiring
- Tactile and audible mating feedback

Product benefits

- Gel electrolyte, 12 years lifespan in float service application.
- Excellent capacity restoration, 95% capacity recovery after short circuit in 24 hours.
- Low self-discharge rate, less than 3% per month
- Wide application temperature range, -20°C to 55°C
- High charge efficiency, good small current charge absorption ability
- Water-proof, patented design, that enable underground battery installation
- Ventilation pipe, release the gas from battery to the air for safe operation

Technical specifications

Specifications	XGS321/XGS322
Battery chemistry	Gel
Capacity	65Ah to 250Ah
Housing	IP68
Mounting	Underground installation
Battery Voltage	12V and 24V
Connections	3 m cable with IP67 MC4 and KB 1 connectors
Charging temp.	-20°C to 55°C
Discharging temp.	-20°C to 55°C
Self discharge rate	< 3% / month @25 degree celsius
Life Cycle	>800 cycles at 70% daily DOD

Applications

- Street lighting
- Flood lighting

