



Valve Regulated Lead Acid (VRLA) battery with Gel electrolyte technology

Solar Battery Sub System

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

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, -20C~55C
- 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 CE certified operation

Features

- IP 68 Patented Design for installing underground
- IP 67 Poka Yoke connectors with tactile audible feedback
- Temperature sensor for efficient compensation implementation in Charge controller.

Solar Battery Sub System

Application

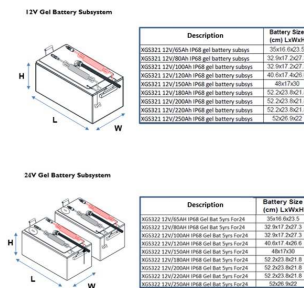
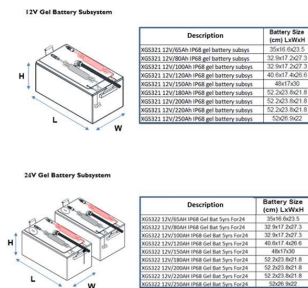
- Solar Street lighting
- Solar Flood Lighting

Versions



IP 68 LMLA Gel battery

Dimensional drawing



Operating and Electrical	
Battery charging & discharging cycles	750
Battery type	Gel
Cable connection kit	Included
Temperature	
Ambient temperature range	-20 to +55 °C
Approval and Application	
Ingress protection code	IP68
Application Conditions	
Ambient temperature range for charging	-20 °C to +55 °C
Ambient temperature range for discharging (when light is on)	-20 °C to +55 °C

Operating and Electrical

Solar Battery Sub System

Order Code	Full Product Name	Battery ampere hour	Battery voltage
911401817002	XGS321 12V/80AH IP68 Gel Bat sys 5yrs	80 Ah	12 V
911401818802	XGS321 12V/80AH IP68 Gel Bat sys 3yrs	80 Ah	12 V
911401818902	XGS321 12V/100AH IP68 Gel Bat sys 3yrs	100 Ah	12 V
911401819002	XGS321 12V/120AH IP68 Gel Bat sys 3yrs	120 Ah	12 V
911401819202	XGS321 12V/180AH IP68 Gel Bat sys 3yrs	180 Ah	12 V

Order Code	Full Product Name	Battery ampere hour	Battery voltage
911401819502	XGS321 12V/250AH IP68 Gel Bat sys 3yrs	250 Ah	12 V
911401819602	XGS322 12V/65AH IP68 Gel Bat 3yrs For24	65 Ah	24 V
911401820002	XGS322 12V/150AH IP68 Gel Bat 3yrs For24	150 Ah	24 V
911401820402	XGS322 12V/250AH IP68 Gel Bat 3yrs For24	250 Ah	24 V

Mechanical and Housing

Order Code	Full Product Name	Overall height	Overall length	Overall width
911401817002	XGS321 12V/80AH IP68 Gel Bat sys 5yrs	273 mm	329 mm	172 mm
911401818802	XGS321 12V/80AH IP68 Gel Bat sys 3yrs	273 mm	329 mm	172 mm
911401818902	XGS321 12V/100AH IP68 Gel Bat sys 3yrs	273 mm	329 mm	172 mm
911401819002	XGS321 12V/120AH IP68 Gel Bat sys 3yrs	266 mm	406 mm	174 mm
911401819202	XGS321 12V/180AH IP68 Gel Bat sys 3yrs	218 mm	522 mm	238 mm

Order Code	Full Product Name	Overall height	Overall length	Overall width
911401819502	XGS321 12V/250AH IP68 Gel Bat sys 3yrs	220 mm	520 mm	269 mm
911401819602	XGS322 12V/65AH IP68 Gel Bat 3yrs For24	235 mm	350 mm	332 mm
911401820002	XGS322 12V/150AH IP68 Gel Bat 3yrs For24	300 mm	480 mm	340 mm
911401820402	XGS322 12V/250AH IP68 Gel Bat 3yrs For24	220 mm	520 mm	538 mm

