



# 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



Lithium Ferro Phosphate battery



Lithium Ferro Phosphate battery



Lithium Ferro Phosphate battery



Lithium Ferro Phosphate battery



Lithium Ferro Phosphate battery

### Approval and application

Ingress protection code IP68

### Operating and electrical

Cable connection kit Included

## Application conditions

Order Code	Full Product Name	Ambient temperature range for charging	Ambient temperature range for discharging (when light is on)	Ambient temperature range
01816902	XGS321 12V/ 65AH IP68 Gel Bat sys 5yrs	-20 to +55 °C	-20 to +55 °C	-20 to +55 °C
01817102	XGS321 12V/ 100AH IP68 Gel Bat sys 5yrs	-20 to +55 °C	-20 to +55 °C	-20 to +55 °C

Order Code	Full Product Name	Ambient temperature range for charging	Ambient temperature range for discharging (when light is on)	Ambient temperature range
01817802	XGS322 12V/ 65AH IP68 Gel Bat 5yrs For24	-20 to +55 °C	-20 to +55 °C	-20 to +55 °C
01817902	XGS322 12V/ 80AH IP68 Gel Bat 5yrs For24	-20 to +55 °C	-20 to +55 °C	-20 to +55 °C

## Solar Battery Sub System

Order Code	Full Product Name	Ambient temperature range for charging	Ambient temperature range for discharging (when light is on)	Ambient temperature range
01818002	XGS322 12V/100AH IP68 Gel Bat 5yrs For24	-20 to +55 °C	-20 to +55 °C	-20 to +55 °C
01818102	XGS322 12V/120AH IP68 Gel Bat 5yrs For24	-20 to +55 °C	-20 to +55 °C	-20 to +55 °C
01819602	XGS322 12V/65AH IP68 Gel Bat 3yrs For24	-20 to +55 °C	-20 to +55 °C	-20 to +55 °C
01819702	XGS322 12V/80AH IP68 Gel Bat 3yrs For24	-20 to +55 °C	-20 to +55 °C	-20 to +55 °C
01819802	XGS322 12V/100AH IP68 Gel Bat 3yrs For24	-20 to +55 °C	-20 to +55 °C	-20 to +55 °C

Order Code	Full Product Name	Ambient temperature range for charging	Ambient temperature range for discharging (when light is on)	Ambient temperature range
50739500	ZJS601 80AH 25.6V Battery	0 to +60 °C	-20 to +60 °C	0 to +60 °C
50738800	ZJS601 100AH 25.6V Battery	0 to +60 °C	-20 to +60 °C	0 to +60 °C
50765400	ZJS601 50AH 12.8V Battery	0 to +60 °C	-20 to +60 °C	0 to +60 °C
50770800	ZJS601 70AH 25.6V Battery	0 to +60 °C	-20 to +60 °C	0 to +60 °C
50771500	ZJS601 90AH 25.6V Battery	0 to +60 °C	-20 to +60 °C	0 to +60 °C

### Operating and electrical

Order Code	Full Product Name	Battery ampere hour	Battery charging & discharging cycles	Battery type	Battery voltage
01816902	XGS321 12V/65AH IP68 Gel Bat sys 5yrs	65 Ah	750	Gel	12 V
01817102	XGS321 12V/100AH IP68 Gel Bat sys 5yrs	100 Ah	750	Gel	12 V
01817802	XGS322 12V/65AH IP68 Gel Bat 5yrs For24	65 Ah	750	Gel	24 V
01817902	XGS322 12V/80AH IP68 Gel Bat 5yrs For24	80 Ah	750	Gel	24 V
01818002	XGS322 12V/100AH IP68 Gel Bat 5yrs For24	100 Ah	750	Gel	24 V
01818102	XGS322 12V/120AH IP68 Gel Bat 5yrs For24	120 Ah	750	Gel	24 V
01819602	XGS322 12V/65AH IP68 Gel Bat 3yrs For24	65 Ah	750	Gel	24 V

Order Code	Full Product Name	Battery ampere hour	Battery charging & discharging cycles	Battery type	Battery voltage
01819702	XGS322 12V/80AH IP68 Gel Bat 3yrs For24	80 Ah	750	Gel	24 V
01819802	XGS322 12V/100AH IP68 Gel Bat 3yrs For24	100 Ah	750	Gel	24 V
50739500	ZJS601 80AH 25.6V Battery	80 Ah	2000	Lithium Ferro Phosphate	25.6 V
50738800	ZJS601 100AH 25.6V Battery	100 Ah	2000	Lithium Ferro Phosphate	25.6 V
50765400	ZJS601 50AH 12.8V Battery	50 Ah	2000	Lithium Ferro Phosphate	12.8 V
50770800	ZJS601 70AH 25.6V Battery	70 Ah	2000	Lithium Ferro Phosphate	25.6 V
50771500	ZJS601 90AH 25.6V Battery	90 Ah	2000	Lithium Ferro Phosphate	25.6 V

### Mechanical and housing

## Solar Battery Sub System

Order Code	Full Product Name	Overall height	Overall length	Overall width
01816902	XGS321 12V/65AH IP68 Gel Bat sys 5yrs	235 mm	350 mm	166 mm
01817102	XGS321 12V/100AH IP68 Gel Bat sys 5yrs	273 mm	329 mm	172 mm
01817802	XGS322 12V/65AH IP68 Gel Bat 5yrs For24	235 mm	350 mm	332 mm
01817902	XGS322 12V/80AH IP68 Gel Bat 5yrs For24	273 mm	329 mm	344 mm
01818002	XGS322 12V/100AH IP68 Gel Bat 5yrs For24	273 mm	329 mm	344 mm
01818102	XGS322 12V/120AH IP68 Gel Bat 5yrs For24	266 mm	406 mm	348 mm

Order Code	Full Product Name	Overall height	Overall length	Overall width
01819602	XGS322 12V/65AH IP68 Gel Bat 3yrs For24	235 mm	350 mm	332 mm
01819702	XGS322 12V/80AH IP68 Gel Bat 3yrs For24	273 mm	329 mm	344 mm
01819802	XGS322 12V/100AH IP68 Gel Bat 3yrs For24	273 mm	329 mm	344 mm
50739500	ZJS601 80AH 25.6V Battery	180 mm	280 mm	380 mm
50738800	ZJS601 100AH 25.6V Battery	160 mm	280 mm	485 mm
50765400	ZJS601 50AH 12.8V Battery	471 mm	147 mm	121 mm
50770800	ZJS601 70AH 25.6V Battery	180 mm	280 mm	380 mm
50771500	ZJS601 90AH 25.6V Battery	160 mm	280 mm	485 mm

