



# Valve Regulated Lead Acid (VRLA) battery with gel electrolyte technology

## Solar Battery Sub System

A range of 65 Ah to 250 Ah 12/24 V, 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 a wide range of ambient temperatures and keeps good performance with constant power input

### Benefits

- Gel electrolyte, 12-year 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~55 °C
- High charge efficiency, good small current charge absorption ability
- Water-proof, patented design that enables underground battery installation
- Ventilation pipe, release the gas from the 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 the charge controller.

Solar Battery Sub System

Application

- Solar Street lighting
- Solar Flood Lighting

Versions



Lithium Ferro Phosphate battery



Lithium Ferro Phosphate battery



Lithium Ferro Phosphate battery



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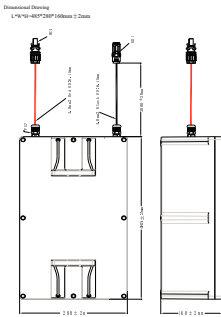
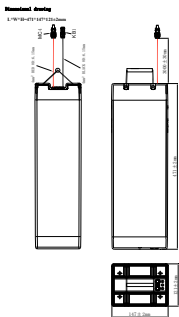
Lithium Ferro Phosphate battery



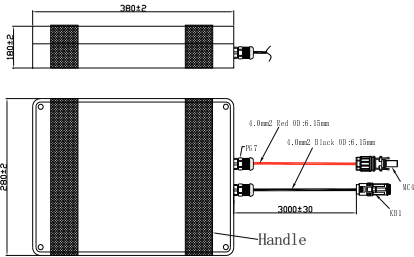
Lithium Ferro Phosphate battery

# Solar Battery Sub System

## Dimensional drawing



Dimensional drawing  
L\*W\*H=380\*280\*180mm±2mm



Operating and Electrical	
Battery charging & discharging cycles	2000
Battery type	Lithium Ferro Phosphate
Cable connection kit	Included
Temperature	
Ambient temperature range	0 to +60 °C
Approval and Application	
Ingress protection code	IP68
Application Conditions	
Ambient temperature range for charging	0 °C to +60 °C
Ambient temperature range for discharging (when light is on)	-20 °C to +60 °C

## Operating and Electrical

Order Code	Full Product Name	Battery ampere hour	Battery voltage
50767800	ZJS601 80AH 12.8V Battery	80 Ah	12.8 V
50772200	ZJS601 120AH 25.6V Battery	120 Ah	25.6 V
50769200	ZJS601 120AH 12.8V Battery	120 Ah	12.8 V
50765400	ZJS601 50AH 12.8V Battery	50 Ah	12.8 V
50738800	ZJS601 100AH 25.6V Battery	100 Ah	25.6 V

Order Code	Full Product Name	Battery ampere hour	Battery voltage
50766100	ZJS601 70AH 12.8V Battery	70 Ah	12.8 V
50768500	ZJS601 100AH 12.8V Battery	100 Ah	12.8 V
50771500	ZJS601 90AH 25.6V Battery	90 Ah	25.6 V
50770800	ZJS601 70AH 25.6V Battery	70 Ah	25.6 V

# Solar Battery Sub System

## Mechanical and Housing

Order Code	Full Product Name	Overall height	Overall length	Overall width
50767800	ZJS601 80AH 12.8V Battery	471 mm	147 mm	121 mm
50772200	ZJS601 120AH 25.6V Battery	160 mm	280 mm	485 mm
50769200	ZJS601 120AH 12.8V Battery	180 mm	280 mm	380 mm
50765400	ZJS601 50AH 12.8V Battery	471 mm	147 mm	121 mm
50738800	ZJS601 100AH 25.6V Battery	160 mm	280 mm	485 mm

Order Code	Full Product Name	Overall height	Overall length	Overall width
50766100	ZJS601 70AH 12.8V Battery	471 mm	147 mm	121 mm
50768500	ZJS601 100AH 12.8V Battery	471 mm	147 mm	121 mm
50771500	ZJS601 90AH 25.6V Battery	160 mm	280 mm	485 mm
50770800	ZJS601 70AH 25.6V Battery	180 mm	280 mm	380 mm

