



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



Lithium Ferro Phosphate battery



Lithium Ferro Phosphate battery



Lithium Ferro Phosphate battery



Lithium Ferro Phosphate battery



Lithium Ferro Phosphate battery



Lithium Ferro Phosphate battery



Lithium Ferro Phosphate battery



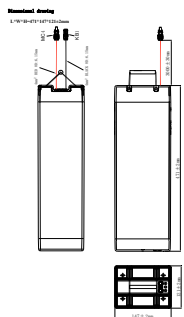
Lithium Ferro Phosphate battery



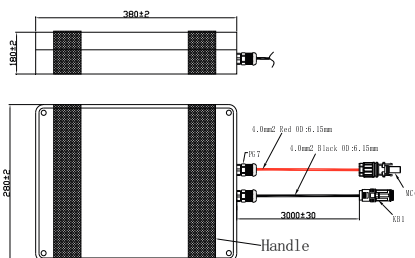
Lithium Ferro Phosphate battery

Solar Battery Sub System

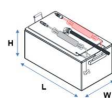
Dimensional drawing



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

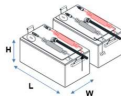


12V Gel Battery Subsystem

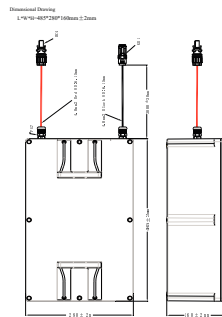


Description	Battery Size (cm) LxWxH
KG5321 12V/65AH IP68 gel battery subtyps	35x16 6x23.5
KG5321 12V/80AH IP68 gel battery subtyps	32 3x17 2x27.3
KG5321 12V/100AH IP68 gel battery subtyps	32 3x17 2x27.3
KG5321 12V/120AH IP68 gel battery subtyps	40 4x17 4x26.6
KG5321 12V/150AH IP68 gel battery subtyps	48x17x30
KG5321 12V/180AH IP68 gel battery subtyps	52 2x23 8x1.8
KG5321 12V/200AH IP68 gel battery subtyps	52 2x23 8x1.8
KG5321 12V/220AH IP68 gel battery subtyps	52 2x23 8x1.8
KG5321 12V/250AH IP68 gel battery subtyps	52x26 9x27

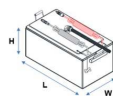
24V Gel Battery Subsystem



Description	Battery Size (cm) LxWxH
KXS322 12V/35AH UPM6 Golf Boat Sports For24	35x16 6x23.5
KXS322 12V/30AH UPM6 Golf Boat Sports For24	32x17 2x27.3
KXS322 12V/20AH UPM6 Golf Boat Sports For24	32x17 2x27.3
KXS322 12V/120AH UPM6 Golf Boat Sports For24	40x17 4x20.6
KXS322 12V/150AH UPM6 Golf Boat Sports For24	46x17x30
KXS322 12V/180AH UPM6 Golf Boat Sports For24	52 2x25 8x21.8
KXS322 12V/200AH UPM6 Golf Boat Sports For24	52 2x25 8x21.8
KXS322 12V/220AH UPM6 Golf Boat Sports For24	52 2x25 8x21.8
KXS322 12V/250AH UPM6 Golf Boat Sports For24	52x26 9x22

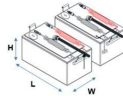


12V Gel Battery Subsystem



Description	Battery Size (cm) LxWxH
X053221 22V/65Ah IP68 gel battery subvols	35x16x 6x23
X053231 22V/80Ah IP68 gel battery subvols	32 9x17 2x27
X053241 22V/100Ah IP68 gel battery subvols	32 9x17 2x27
X053251 22V/120Ah IP68 gel battery subvols	40x16 7 4x26
X053261 22V/150Ah IP68 gel battery subvols	48x17x30
X053271 22V/180Ah IP68 gel battery subvols	52 2x23 8x21
X053281 22V/200Ah IP68 gel battery subvols	52 2x23 8x21
X053291 22V/220Ah IP68 gel battery subvols	52 2x23 8x21
X053311 12V/250Ah IP68 gel battery subvols	52x26 9x23

24V Gel Battery Subsystem



Description	Battery Size (cm) LxWxH
NO53232 12V/55AH IP68 Gel Bat Systs For24	35x161 6x23.5
NO53232 12V/80AH IP68 Gel Bat Systs For24	32 3x17 2x17.3
NO53232 12V/100AH IP68 Gel Bat Systs For24	32 3x17 2x17.3
NO53232 12V/120AH IP68 Gel Bat Systs For24	40x171 4x26.6
NO53232 12V/150AH IP68 Gel Bat Systs For24	48x170
NO53232 12V/180AH IP68 Gel Bat Systs For24	52 2x23 1x21.8
NO53232 12V/200AH IP68 Gel Bat Systs For24	52 2x23 1x21.8
NO53232 12V/220AH IP68 Gel Bat Systs For24	52 2x23 1x21.8
NO53232 12V/250AH IP68 Gel Bat Systs For24	52x26 1x21.8

Operating and Electrical

Cable connection kit	Included
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Approval and Application

Ingress protection code	IP68
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Operating and Electrical

		Battery	Battery		
	Full Product	ampere	charging &		Battery
Order Code	Name	hour	cycles	Battery type	voltage
911401823202	ZJS601 80AH	80 Ah	2000	Lithium Ferro	12.8 V
	12.8V Battery			Phosphate	

		Battery	Battery		
	Full Product	ampere	charging &		Battery
Order Code	Name	hour	cycles	Battery type	voltage
911401823702	ZJS601 120AH	120 Ah	2000	Lithium Ferro	25.6 V
	25.6V Battery			Phosphate	

Solar Battery Sub System

Order Code	Full Product Name	Battery ampere hour	Battery charging & discharging cycles	Battery type	Battery voltage
911401823402	ZJS601 120AH 12.8V Battery	120 Ah	2000	Lithium Ferro Phosphate	12.8 V
911401823002	ZJS601 50AH 12.8V Battery	50 Ah	2000	Lithium Ferro Phosphate	12.8 V
911401822402	ZJS601 100AH 25.6V Battery	100 Ah	2000	Lithium Ferro Phosphate	25.6 V
911401823102	ZJS601 70AH 12.8V Battery	70 Ah	2000	Lithium Ferro Phosphate	12.8 V
911401823302	ZJS601 100AH 12.8V Battery	100 Ah	2000	Lithium Ferro Phosphate	12.8 V
911401823602	ZJS601 90AH 25.6V Battery	90 Ah	2000	Lithium Ferro Phosphate	25.6 V
911401823502	ZJS601 70AH 25.6V Battery	70 Ah	2000	Lithium Ferro Phosphate	25.6 V
911401816902	XGS321 12V/65AH IP68 Gel Bat sys 5yrs	65 Ah	750	Gel	12 V
911401817002	XGS321 12V/80AH IP68 Gel Bat sys 5yrs	80 Ah	750	Gel	12 V
911401817102	XGS321 12V/ 100AH IP68 Gel Bat sys 5yrs	100 Ah	750	Gel	12 V
911401817302	XGS321 12V/ 150AH IP68 Gel Bat sys 5yrs	150 Ah	750	Gel	12 V
911401817402	XGS321 12V/ 180AH IP68 Gel Bat sys 5yrs	180 Ah	750	Gel	12 V
911401817502	XGS321 12V/ 200AH IP68 Gel Bat sys 5yrs	200 Ah	750	Gel	12 V
911401817802	XGS322 12V/ 65AH IP68 Gel Bat 5yrs For24	65 Ah	750	Gel	24 V

Temperature

Order Code	Full Product Name	Ambient temperature range
911401823202	ZJS601 80AH 12.8V Battery	0 to +60 °C
911401823702	ZJS601 120AH 25.6V Battery	0 to +60 °C
911401823402	ZJS601 120AH 12.8V Battery	0 to +60 °C
911401823002	ZJS601 50AH 12.8V Battery	0 to +60 °C
911401822402	ZJS601 100AH 25.6V Battery	0 to +60 °C
911401823102	ZJS601 70AH 12.8V Battery	0 to +60 °C
911401823302	ZJS601 100AH 12.8V Battery	0 to +60 °C
911401823602	ZJS601 90AH 25.6V Battery	0 to +60 °C
911401823502	ZJS601 70AH 25.6V Battery	0 to +60 °C
911401816902	XGS321 12V/65AH IP68 Gel Bat sys 5yrs	-20 to +55 °C

Order Code	Full Product Name	Battery ampere hour	Battery charging & discharging cycles	Battery type	Battery voltage
911401818002	XGS322 12V/ 100AH IP68 Gel Bat 5yrs For24	100 Ah	750	Gel	24 V
911401818102	XGS322 12V/ 120AH IP68 Gel Bat 5yrs For24	120 Ah	750	Gel	24 V
911401818202	XGS322 12V/ 150AH IP68 Gel Bat 5yrs For24	150 Ah	750	Gel	24 V
911401818802	XGS321 12V/80AH IP68 Gel Bat sys 3yrs	80 Ah	750	Gel	12 V
911401818902	XGS321 12V/ 100AH IP68 Gel Bat sys 3yrs	100 Ah	750	Gel	12 V
911401819002	XGS321 12V/ 120AH IP68 Gel Bat sys 3yrs	120 Ah	750	Gel	12 V
911401819202	XGS321 12V/ 180AH IP68 Gel Bat sys 3yrs	180 Ah	750	Gel	12 V
911401819502	XGS321 12V/ 250AH IP68 Gel Bat sys 3yrs	250 Ah	750	Gel	12 V
911401819602	XGS322 12V/ 65AH IP68 Gel Bat 3yrs For24	65 Ah	750	Gel	24 V
911401820002	XGS322 12V/ 150AH IP68 Gel Bat 3yrs For24	150 Ah	750	Gel	24 V
911401820402	XGS322 12V/ 250AH IP68 Gel Bat 3yrs For24	250 Ah	750	Gel	24 V

Order Code	Full Product Name	Ambient temperature range
911401817002	XGS321 12V/80AH IP68 Gel Bat sys 5yrs	-20 to +55 °C
911401817102	XGS321 12V/100AH IP68 Gel Bat sys 5yrs	-20 to +55 °C
911401817302	XGS321 12V/150AH IP68 Gel Bat sys 5yrs	-20 to +55 °C
911401817402	XGS321 12V/180AH IP68 Gel Bat sys 5yrs	-20 to +55 °C
911401817502	XGS321 12V/200AH IP68 Gel Bat sys 5yrs	-20 to +55 °C
911401817802	XGS322 12V/65AH IP68 Gel Bat 5yrs For24	-20 to +55 °C
911401818002	XGS322 12V/100AH IP68 Gel Bat 5yrs For24	-20 to +55 °C
911401818102	XGS322 12V/120AH IP68 Gel Bat 5yrs For24	-20 to +55 °C

Solar Battery Sub System

Order Code	Full Product Name	Ambient temperature range
911401818202	XGS322 12V/150AH IP68 Gel Bat 5yrs For24	-20 to +55 °C
911401818802	XGS321 12V/80AH IP68 Gel Bat sys 3yrs	-20 to +55 °C
911401818902	XGS321 12V/100AH IP68 Gel Bat sys 3yrs	-20 to +55 °C
911401819002	XGS321 12V/120AH IP68 Gel Bat sys 3yrs	-20 to +55 °C
911401819202	XGS321 12V/180AH IP68 Gel Bat sys 3yrs	-20 to +55 °C

Mechanical and Housing

Order Code	Full Product Name	Overall height	Overall length	Overall width
911401823202	ZJS601 80AH 12.8V Battery	471 mm	147 mm	121 mm
911401823702	ZJS601 120AH 25.6V Battery	160 mm	280 mm	485 mm
911401823402	ZJS601 120AH 12.8V Battery	180 mm	280 mm	380 mm
911401823002	ZJS601 50AH 12.8V Battery	471 mm	147 mm	121 mm
911401822402	ZJS601 100AH 25.6V Battery	160 mm	280 mm	485 mm
911401823102	ZJS601 70AH 12.8V Battery	471 mm	147 mm	121 mm
911401823302	ZJS601 100AH 12.8V Battery	471 mm	147 mm	121 mm
911401823602	ZJS601 90AH 25.6V Battery	160 mm	280 mm	485 mm
911401823502	ZJS601 70AH 25.6V Battery	180 mm	280 mm	380 mm
911401816902	XGS321 12V/65AH IP68 Gel Bat sys 5yrs	235 mm	350 mm	166 mm
911401817002	XGS321 12V/80AH IP68 Gel Bat sys 5yrs	273 mm	329 mm	172 mm
911401817102	XGS321 12V/100AH IP68 Gel Bat sys 5yrs	273 mm	329 mm	172 mm
911401817302	XGS321 12V/150AH IP68 Gel Bat sys 5yrs	300 mm	480 mm	170 mm
911401817402	XGS321 12V/180AH IP68 Gel Bat sys 5yrs	218 mm	522 mm	238 mm
911401817502	XGS321 12V/200AH IP68 Gel Bat sys 5yrs	218 mm	522 mm	238 mm

Application Conditions

Order Code	Full Product Name	Ambient temperature range for charging	Ambient temperature range for discharging (when light is on)
911401823202	ZJS601 80AH 12.8V Battery	0 °C to +60 °C	-20 °C to +60 °C
911401823702	ZJS601 120AH 25.6V Battery	0 °C to +60 °C	-20 °C to +60 °C
911401823402	ZJS601 120AH 12.8V Battery	0 °C to +60 °C	-20 °C to +60 °C
911401823002	ZJS601 50AH 12.8V Battery	0 °C to +60 °C	-20 °C to +60 °C
911401822402	ZJS601 100AH 25.6V Battery	0 °C to +60 °C	-20 °C to +60 °C

Order Code	Full Product Name	Ambient temperature range
911401819502	XGS321 12V/250AH IP68 Gel Bat sys 3yrs	-20 to +55 °C
911401819602	XGS322 12V/65AH IP68 Gel Bat 3yrs For24	-20 to +55 °C
911401820002	XGS322 12V/150AH IP68 Gel Bat 3yrs For24	-20 to +55 °C
911401820402	XGS322 12V/250AH IP68 Gel Bat 3yrs For24	-20 to +55 °C

Order Code	Full Product Name	Overall height	Overall length	Overall width
911401817802	XGS322 12V/65AH IP68 Gel Bat 5yrs For24	235 mm	350 mm	332 mm
911401818002	XGS322 12V/100AH IP68 Gel Bat 5yrs For24	273 mm	329 mm	344 mm
911401818102	XGS322 12V/120AH IP68 Gel Bat 5yrs For24	266 mm	406 mm	348 mm
911401818202	XGS322 12V/150AH IP68 Gel Bat 5yrs For24	300 mm	480 mm	340 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
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

Order Code	Full Product Name	Ambient temperature range for charging	Ambient temperature range for discharging (when light is on)
911401823102	ZJS601 70AH 12.8V Battery	0 °C to +60 °C	-20 °C to +60 °C
911401823302	ZJS601 100AH 12.8V Battery	0 °C to +60 °C	-20 °C to +60 °C
911401823602	ZJS601 90AH 25.6V Battery	0 °C to +60 °C	-20 °C to +60 °C
911401823502	ZJS601 70AH 25.6V Battery	0 °C to +60 °C	-20 °C to +60 °C
911401816902	XGS321 12V/65AH IP68 Gel Bat sys 5yrs	-20 °C to +55 °C	-20 °C 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)
911401817002	XGS321 12V/80AH IP68 Gel Bat sys 5yrs	-20 °C to +55 °C	-20 °C to +55 °C
911401817102	XGS321 12V/100AH IP68 Gel Bat sys 5yrs	-20 °C to +55 °C	-20 °C to +55 °C
911401817302	XGS321 12V/150AH IP68 Gel Bat sys 5yrs	-20 °C to +55 °C	-20 °C to +55 °C
911401817402	XGS321 12V/180AH IP68 Gel Bat sys 5yrs	-20 °C to +55 °C	-20 °C to +55 °C
911401817502	XGS321 12V/200AH IP68 Gel Bat sys 5yrs	-20 °C to +55 °C	-20 °C to +55 °C
911401817802	XGS322 12V/65AH IP68 Gel Bat 5yrs For24	-20 °C to +55 °C	-20 °C to +55 °C
911401818002	XGS322 12V/100AH IP68 Gel Bat 5yrs For24	-20 °C to +55 °C	-20 °C to +55 °C
911401818102	XGS322 12V/120AH IP68 Gel Bat 5yrs For24	-20 °C to +55 °C	-20 °C to +55 °C
911401818202	XGS322 12V/150AH IP68 Gel Bat 5yrs For24	-20 °C to +55 °C	-20 °C to +55 °C

Order Code	Full Product Name	Ambient temperature range for charging	Ambient temperature range for discharging (when light is on)
911401818802	XGS321 12V/80AH IP68 Gel Bat sys 3yrs	-20 °C to +55 °C	-20 °C to +55 °C
911401818902	XGS321 12V/100AH IP68 Gel Bat sys 3yrs	-20 °C to +55 °C	-20 °C to +55 °C
911401819002	XGS321 12V/120AH IP68 Gel Bat sys 3yrs	-20 °C to +55 °C	-20 °C to +55 °C
911401819202	XGS321 12V/180AH IP68 Gel Bat sys 3yrs	-20 °C to +55 °C	-20 °C to +55 °C
911401819502	XGS321 12V/250AH IP68 Gel Bat sys 3yrs	-20 °C to +55 °C	-20 °C to +55 °C
911401819602	XGS322 12V/65AH IP68 Gel Bat 3yrs For24	-20 °C to +55 °C	-20 °C to +55 °C
911401820002	XGS322 12V/150AH IP68 Gel Bat 3yrs For24	-20 °C to +55 °C	-20 °C to +55 °C
911401820402	XGS322 12V/250AH IP68 Gel Bat 3yrs For24	-20 °C to +55 °C	-20 °C to +55 °C

