



Solar Battery Sub System

XGS322 24V/180Ah IP68 gel battery subsys

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

Product data

General Information	
Remarks	Note: Set of two batteries in series
CE mark	CE mark
Warranty period	3 years
Operating and Electrical	
Input Voltage	24 DC V
Battery type	Gel
Battery ampere hour	180 Ah
Battery voltage	24 V
Battery charging & discharging cycles	800
Cable connection kit	Included
Cable	Cable 2.8 m 4.0 sqmm with KB1 connectors
Temperature	
Ambient temperature range	-20 to +55 °C
Mechanical and Housing	
Overall length	522 mm
Overall width	476 mm

Overall height	218 mm
Dimensions (Height x Width x Depth)	218 x 476 x 522 mm
Approval and Application	
Ingress protection code	IP68 [Dust penetration-protected, pressure watertight]
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
Product Data	
Order product name	XGS322 24V/180Ah IP68 gel battery subsys
Full product name	XGS322 24V/180Ah IP68 gel battery subsys
Full product code	911401899301
Order code	911401899301
Material Nr. (12NC)	911401899301
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	1

Dimensional drawing



Model	Length (mm)	Width (mm)	Height (mm)	Weight (kg)	Capacity (Ah)	Operating Voltage (V)	Max. Discharge Current (A)	Max. Charge Current (A)	Max. Operating Temperature (°C)	Max. Storage Temperature (°C)	Max. Humidity (%)	Max. Vibration (g)	Max. Shock (g)	Max. Altitude (m)	Max. Lifetime (years)
SB-1000	1000	100	100	1.0	100	12.8	10	5	40	-20	60	95	10	100	10
SB-2000	2000	100	100	2.0	200	12.8	20	10	40	-20	60	95	10	100	10
SB-3000	3000	100	100	3.0	300	12.8	30	15	40	-20	60	95	10	100	10
SB-4000	4000	100	100	4.0	400	12.8	40	20	40	-20	60	95	10	100	10
SB-5000	5000	100	100	5.0	500	12.8	50	25	40	-20	60	95	10	100	10
SB-6000	6000	100	100	6.0	600	12.8	60	30	40	-20	60	95	10	100	10
SB-7000	7000	100	100	7.0	700	12.8	70	35	40	-20	60	95	10	100	10
SB-8000	8000	100	100	8.0	800	12.8	80	40	40	-20	60	95	10	100	10
SB-9000	9000	100	100	9.0	900	12.8	90	45	40	-20	60	95	10	100	10
SB-10000	10000	100	100	10.0	1000	12.8	100	50	40	-20	60	95	10	100	10

