



Solar Battery Sub System

XGS321 12V/80Ah 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	
CE mark	CE mark
Warranty period	3 years
Operating and Electrical	
Input Voltage	12 DC V
Battery type	Gel
Battery ampere hour	80 Ah
Battery voltage	12 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	329 mm
Overall width	172 mm
Overall height	273 mm
Dimensions (Height x Width x Depth)	273 x 172 x 329 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	XGS321 12V/80Ah IP68 gel battery subsys
Full product name	XGS321 12V/80Ah IP68 gel battery subsys
Full product code	911401897901
Order code	01897901
Material Nr. (12NC)	911401897901
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	1

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Dimensional drawing



Model	Capacity (Ah)	Weight (kg)	Dimensions (mm)	Operating Temperature (°C)	Self-discharge (%)	Charging Voltage (V)	Discharging Voltage (V)	Max. Discharge Current (A)	Max. Discharge Power (W)	Max. Discharge Energy (Wh)	Max. Discharge Time (h)
SB-100	100	1.2	100x50x20	-20 to 55	5	14.6	12.8	10	128	1280	100
SB-200	200	2.4	200x50x20	-20 to 55	5	14.6	12.8	20	256	2560	200
SB-300	300	3.6	300x50x20	-20 to 55	5	14.6	12.8	30	384	3840	300
SB-400	400	4.8	400x50x20	-20 to 55	5	14.6	12.8	40	512	5120	400
SB-500	500	6.0	500x50x20	-20 to 55	5	14.6	12.8	50	640	6400	500
SB-600	600	7.2	600x50x20	-20 to 55	5	14.6	12.8	60	768	7680	600
SB-700	700	8.4	700x50x20	-20 to 55	5	14.6	12.8	70	896	8960	700
SB-800	800	9.6	800x50x20	-20 to 55	5	14.6	12.8	80	1024	10240	800
SB-900	900	10.8	900x50x20	-20 to 55	5	14.6	12.8	90	1152	11520	900
SB-1000	1000	12.0	1000x50x20	-20 to 55	5	14.6	12.8	100	1280	12800	1000

