

SMG/S

FIAMM
+ -

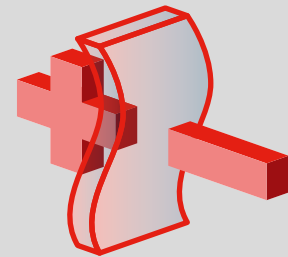
**Maintenance-free
cyclic, GEL cell**

**HIGH
CYCLIC
BATTERIES**



**99%
RECY
CLABLE**

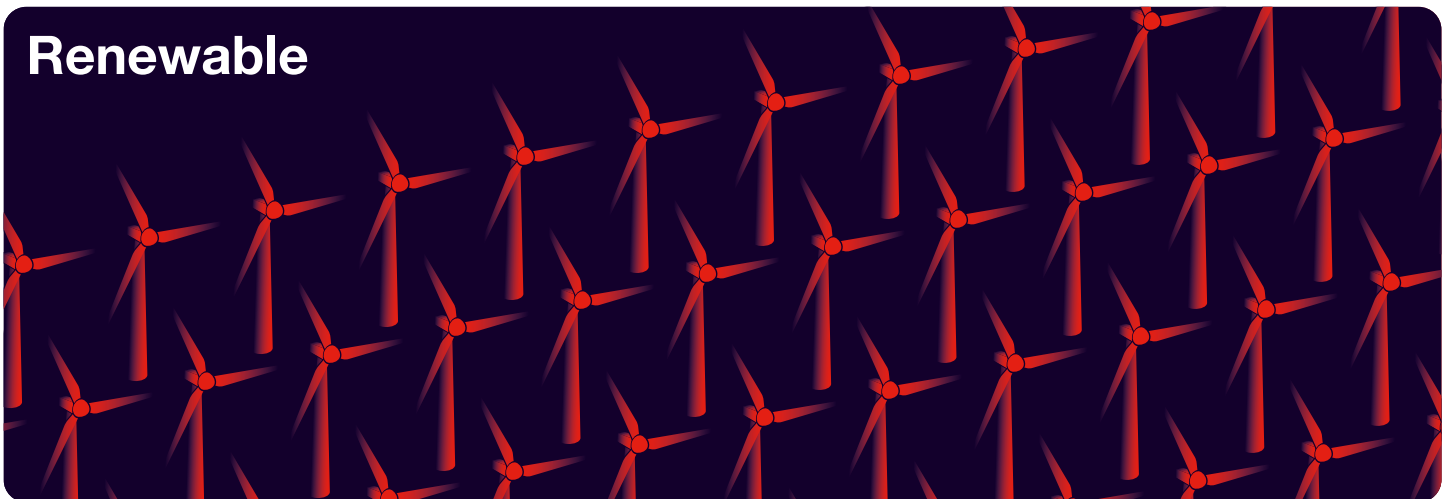
**GEL
technology**



**Flame
retardant
casing (on request)**



Renewable



SMG/S

A very long-life GEL battery, perfect for energy storage applications

The SMG/S with tubular die casted positive grid is designed for high cyclic applications combined with renewable energy sources. The batteries are maintenance-free and combine the benefits of a gelled electrolyte which provides a wider temperature operating range. The SMG/S range is made up of 2V cells designed with GEL technology based on an OPzV standard. Batteries are constructed to provide the optimum levels of robustness and are designed for applications where charge-discharge cycles are required. Inside, separators have extremely high porosity which allows frequent

cyclic usage. An ABS flame retardant case is classified to UL94 V0 with LOI >28% is also available on request. The range is maintenance-free with a low self-discharge making the battery an ideal solution for periods when batteries may be stored or for off-float charge. The SMG/S range can be installed horizontally in dedicated racks which save installation valuable space and is eco-friendly with all components fully recyclable at the end of life.

Battery type	Nominal capacity (Ah)	Nominal dimension (mm)			Typical weight (kg)
	120H 1.85VPC 20°C	Length	Width	Height	
SMG/S 265	265	103	206	407	19.3
SMG/S 330	330	124	206	407	23.3
SMG/S 400	400	145	206	407	27.0
SMG/S 460	460	124	206	523	30.4
SMG/S 570	570	145	206	523	33.8
SMG/S 660	660	166	206	523	39.6
SMG/S 860	860	145	206	698	49.2
SMG/S 1150	1150	210	191	700	65.6
SMG/S 1440	1440	210	233	700	81.6
SMG/S 1720	1720	210	275	700	96.5
SMG/S 2000	2000	210	275	849	113
SMG/S 2330	2330	212	399	826	137
SMG/S 2600	2600	212	399	826	153
SMG/S 2940	2940	212	487	826	174
SMG/S 3300	3300	212	487	826	192
SMG/S 3580	3580	212	576	826	211
SMG/S 3900	3900	212	576	826	229
SMG/S 4240	4240	212	576	826	244

Standards

IEC 61427 - photovoltaic energy systems
DIN 40742 - specification OPzV cells
DIN 43539T5 - deep discharge
IEC 60896 Part 21 - VRLA methods of testing
IEC 60896 Part 22 - VRLA requirements
Eurobat "Long Life" - 12 years and longer

Solutions & accessories



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