SMG

FIAMM

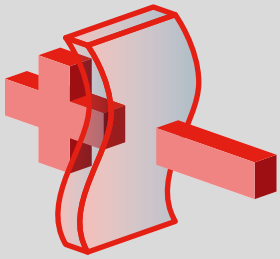
OPzV maintenance-free GEL cell

LONG DESIGN LIFE



99% RECYCLABLE

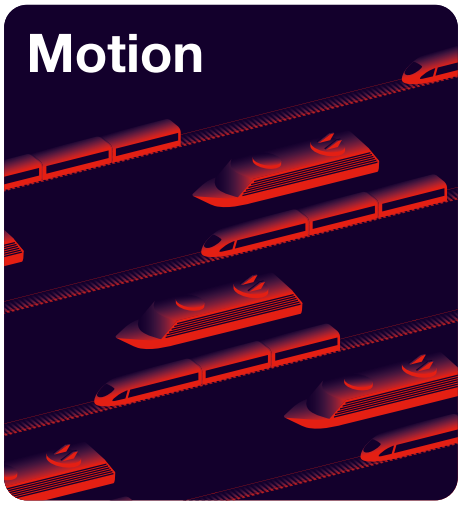
GEL technology

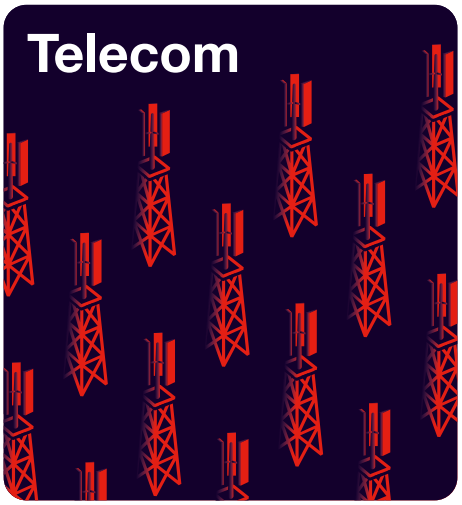


Flame retardant casing (on request)









18 years design life GEL battery; perfect for demanding applications

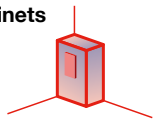
The SMG with tubular die casted positive grid is a range designed for applications where performance and operating conditions are critical. They are maintenance-free and combine the benefits of a gelled electrolyte which provides longer life and the ability to operate across a wide temperature range.
The SMG range is made up of 2V cells and conforms to international OPZV standards DIN 40742 norm. They are constructed to provide a high level of robustness for applications where charge-discharge cycles need to operate at the maximum levels of reliability. Separators have extremely high porosity: this feature allows intense cyclic usage and an ABS flame retardant case, classified to UL94 V0 with LOI >28% is 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 2V 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	REFERENCE OPzV DIN 40742	Nominal capacity (Ah)	Nominal dimension (mm)			Typical weight (kg)
		10H 1.80VPC 20°C	Lenght	Width	Height	
SMG 220	4 OPzV 200	220	103	206	407	19.0
SMG 275	5 OPzV 250	275	124	206	407	23.0
SMG 330	6 OPzV 300	330	145	206	407	26.6
SMG 380	5 OPzV 350	380	124	206	523	30.0
SMG 460	6 OPzV 420	460	145	206	523	33.3
SMG 530	7 OPzV 490	530	166	206	523	39.0
SMG 720	6 OPzV 600	720	145	206	698	48.5
SMG 960	8 OPzV 800	960	210	191	700	64.6
SMG 1200	10 OPzV 1000	1200	210	233	700	80.4
SMG 1440	12 OPzV 1200	1440	210	275	700	95.1
SMG 1680	12 OPzV 1500	1680	210	275	849	112
SMG 2005	14 OPzV 1750	2000	212	399	826	135
SMG 2250	16 OPzV 2000	2250	212	399	826	151
SMG 2520	18 OPzV 2250	2520	212	487	826	171
SMG 2800	20 OPzV 2500	2800	212	487	826	189
SMG 3080	22 OPzV 2750	3080	212	576	826	208
SMG 3350	24 OPzV 3000	3350	212	576	826	226
SMG 3640	26 OPzV 3250	3640	212	576	826	240

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 “Very Long Life” - 12 years and longer

Solutions & accessories

Outdoor cabinets


Indoor cabinets


Racks


Battery sizing tool
