

SOLAR POWER SYSTEM GEL BATTERY newmax®



SG SERIES SOLAR GEL DEEP CYCLE

Newmax Solar Gel batteries are true maintenance-free sealed batteries engineered specifically to satisfy the need for frequent deep cycles from Photovoltaic(PV) and renewable energy storage applications. We are confident that our technology-intensive, long lasting, and environmentally friendly SG series batteries will provide stability and efficiency for your everyday renewable energy needs.



THE NEW SG SERIES DIFFERENCE



MaxPress™ Grid Technology

Patent pending grid compressing technology which increases the density of the lead grain of the grids. The grain density is typically 400% greater than that of the conventional casting method. This up-to-date grid technology enables our batteries to survive even the toughest deep discharge and PSoC applications.



ThixoPure™ GEL Technology

Application of refined pure thixotropic colloidal silica GEL technology to battery electrolyte has greatly increased the cycle life by both preventing plate stratification and providing extra temperature protection against heat and cold. We are the first Korean company to successfully commercialize the GEL technology in the VRLA battery industry.



FlexSealing™ Anti Explosion Filter

Patent pending proprietary cap filtering and sealing technology. Battery cell caps are sealed simultaneously using specially designed o-rings and explosion filters to prevent leakage and gassing more effectively than ever before.



ActiveCarbon™

In every Newmax battery, proprietary micro carbon additive is used in the active material for both positive and negative plates to enhance charge acceptance and cycle endurance. ActiveCarbon™ works to strengthen charge pathways to improve performance consistency and enhance performance at partial state of charge (PSoC) environment.

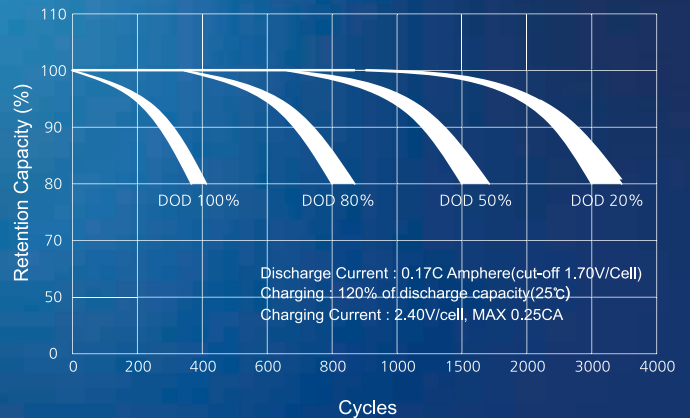


Highly Resistive Heat Protection Case

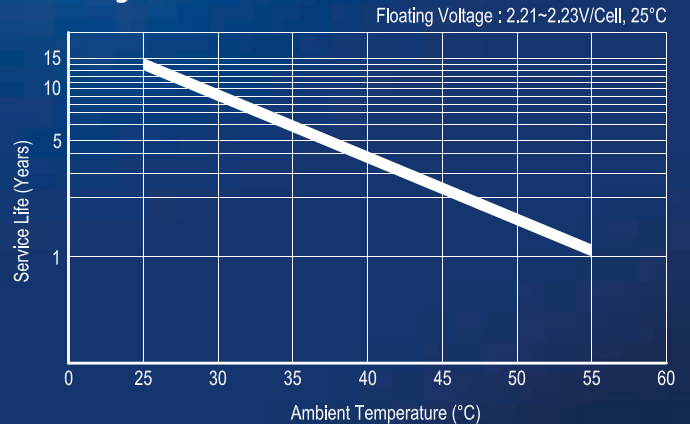
Specially formulated heat and flame resistant polypropylene case material is used to effectively block ambient heat thus preventing heat related malfunctions such as thermal runaway. This proprietary high rigidity case material has heat deflection rating of 140°C and complies to RoHS Compliant EU Directive 2002/95/EC. Additional UL94-V0 protection option also available.

FEATURES AND BENEFITS

Cycle Life Characteristic



Floating Life Characteristics



12 Voltage SG Series Battery Specifications

Battery Type	Nominal Voltage	Capacity (Ampere)	Dimension (mm)				Weight (kg)	packing /pallet
			Length	Width	Height	T.Height		
SG 800H	12	90	371	174	205	219	27.5	60pcs
SG 1000H	12	100	371	174	205	219	30.0	60pcs
SG 1200H	12	120	371	174	205	219	32.5	50pcs
SG 1500H	12	150	524	241	215	221	42.6	36pcs
SG 2000H	12	200	524	241	215	221	57.0	30pcs
SG 2200H	12	220	524	241	215	221	59.0	30pcs



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