

newmax®

SOLAR POWER SYSTEM
GEL BATTERY



newmax

SG SERIES

Newmax Solar Gel (SG series) 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.



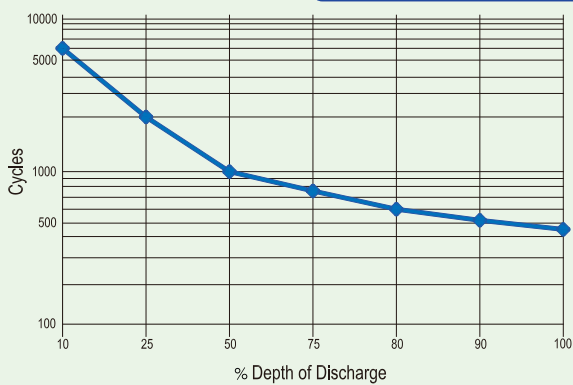
www.newmaxbattery.co.kr



Daejin Battery Co., Ltd.

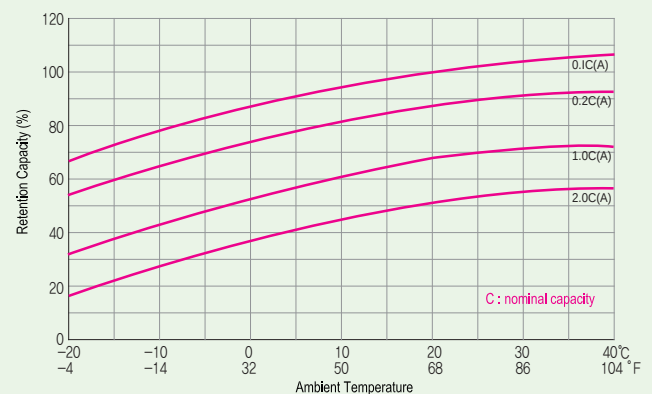
Model	Nominal Voltage (V)	Nominal Capacity (AH)				Dimension				Weight (kg)	Terminal type (STD)
		20HR	10HR	5HR	1HR	Length	Width	Height	T.Height		
		Final V.P.C(1.80V)	Final V.P.C(1.70V)	Final V.P.C(1.65V)	Final V.P.C(1.60V)	(mm)	(mm)	(mm)	(mm)		
SG1000H	12	100	93	83	65	332	174	215	239	30.0	F
SG1200H	12	120	109	100	78	443	167	204	228	35.0	F
SG1500H	12	150	138	125	98	500	260	196	225	49.0	H
SG2000H	12	200	185	166	125	500	260	196	225	60.0	H
SG2000H	12	220	200	183	137	500	260	196	225	63.0	H

Life Characteristics



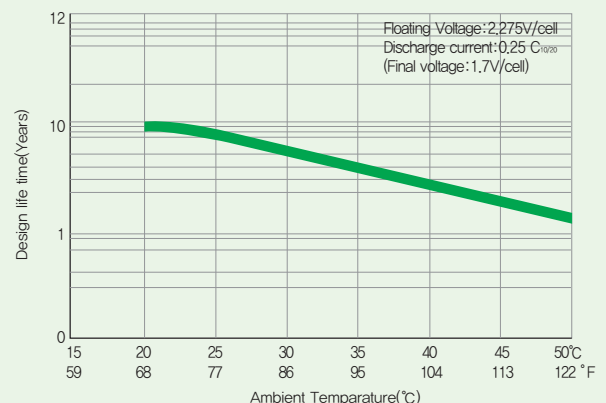
Test Condition
1. Discharge Voltage=1.75V/Cell 2. Battery Temperature=25°C

Effects of Temperature on Capacity



- **Solar Deep Cycle Specialization:** GEL technology prevents stratification of the plates greatly increasing the number of cycles the battery can withstand.
- **Maintenance Free:** Gas re-combination system makes it free of maintenance
- **Leak Free:** Gel technology is applied to impregnate electrolyte on the separator to prevent leakage
- **Safety:** Specially designed anti-explosion filter and safety valves prevent gas leakage when overcharged.

Floating Life



Floating Voltage: 2.275V/cell
Discharge current: 0.25 C₁₀₀₀
(Final voltage: 1.7V/cell)



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