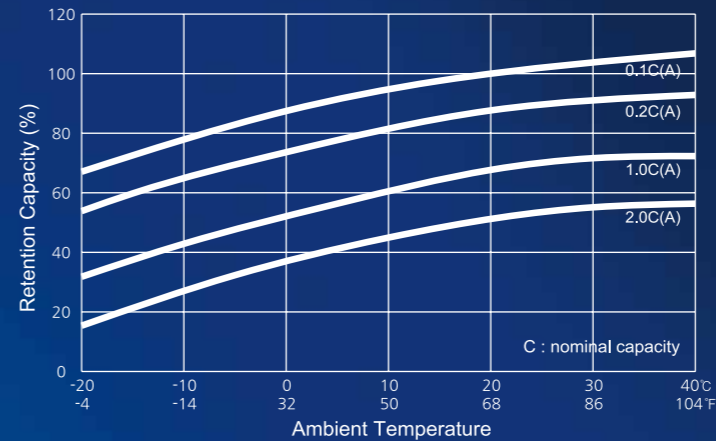


CYNETIC GC Gel Carbon

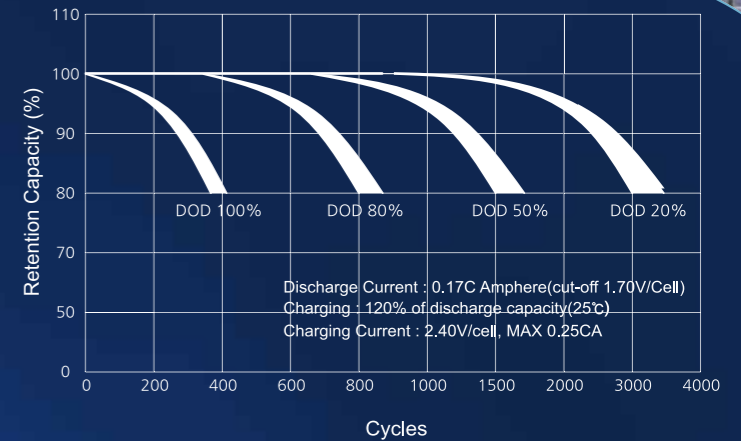
Gel Carbon batteries are true maintenance-free sealed batteries engineered specifically to satisfy the need for frequent deep cycles from photovoltaic (PV) and energy storage applications. We are confident that our technology-intensive, long-lasting, and environment friendly SG Series batteries will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



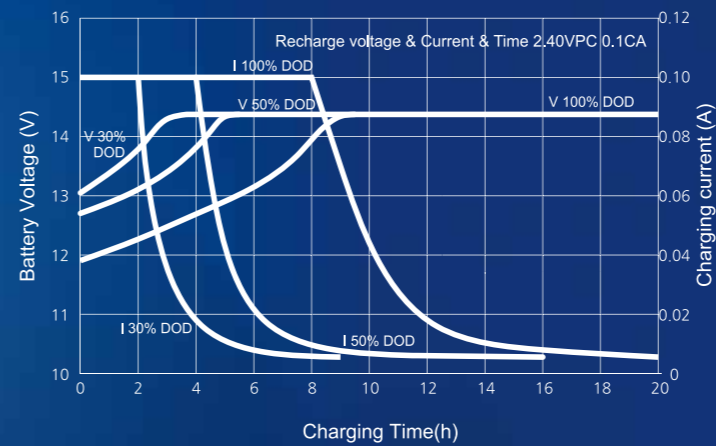
Effect of temperature on capacity



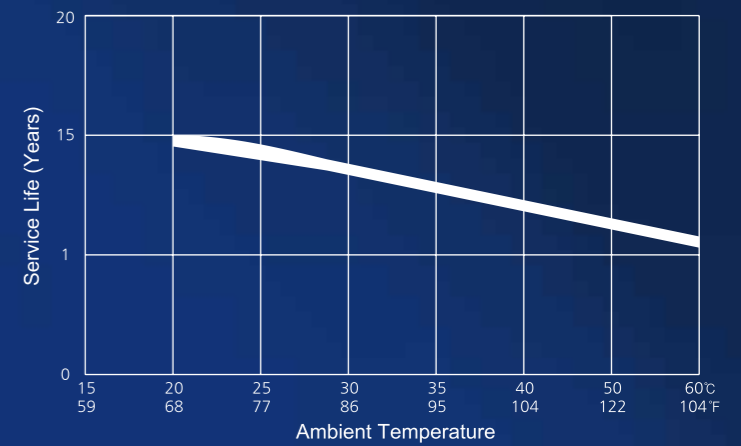
Cycle life characteristic



DOD % vs Recharging time curve



Floating life characteristics



UltraPress™ 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.



TxPure™ 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. Gel provides more ability to deep cycle applications and better recovery after deep discharge.



SealFlex™ 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.



MicroCarbon™

In every 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.



Fahrenheit-Schutz™ 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.

12 Voltage GC Series Battery Specifications

Battery Type	(V)	Nominal Capacity				Dimension								Approx. Weight		Terminal type
		100H	20H	10H	5H	Length		Width		Height		T.Height		(Lb)	(kg)	(S)
		(1.80)	(1.80)	(1.75)	(1.70)	(mm)	(inch)	(mm)	(inch)	(mm)	(inch)	(mm)	(inch)			
GC 95H	12	95	80	76	70	368	14.49	172	6.77	210	8.27	219	8.62	59.4	27	N
GC 120H	12	120	100	95	87	368	14.49	172	6.77	210	8.27	219	8.62	66	30	N
GC 140H	12	140	120	114	104	368	14.49	172	6.77	210	8.27	219	8.62	72.6	33	N
GC 180H	12	180	150	143	131	522	20.55	240	9.45	215	8.46	221	8.70	103.4	45	N
GC 235H	12	235	200	190	174	522	20.55	240	9.45	215	8.46	221	8.70	126.4	58	N
GC 250H	12	250	220	210	191	522	20.55	240	9.45	215	8.46	221	8.70	131.2	60	N