

## Vision-Gel Battery CG-A Series



### Main Application

- Solar, wind powered systems
- Golf cart, Electric vehicle
- Fire & security systems, Uninterruptible power supplies
- Electric powered bicycle and wheelchairs
- Marine equipment
- Communication equipment
- Power tools
- Telecommunication systems

### General Features

The VISION CG-A gel series battery (for example CG12-7A) is manufactured with AGM separator and colloidal silica. With semi-gelled electrolyte, stratification is improved or avoided. So battery has longer service life than conventional VRLA under floating application.

Micro millimeter SiO<sub>2</sub> and H<sub>2</sub>SO<sub>4</sub> gelled electrolyte technology for efficient gas recombination of up to 99% and freedom from electrolyte maintenance or water adding.

### Product Standards

You can expect our batteries meet with the standards JIS, DIN, IEC & BS6290-4. We have obtained ISO9001 & ISO14001 certification. We have obtained UL approval (MH25860) for all types of batteries. We have obtained CE approval for all types of batteries. All these render our batteries to be compatible with requirements of world-level equipments.

### Technical Specification

Type	Nominal Voltage (V)	Capacity (Ah)	Dimension(mm/Kg[(±5%)])					Terminal
			Length	width	Height	Total Height	Weight	
CG12-5A	12	5	90	70	101	107	1.8	F1
CG12-7A	12	7	151	65	94	100	2.43	F1
CG12-12A	12	12	151	98	95	101	3.9	F2
CG12-17XA	12	17	181	77	167	167	5.7	M5
CG12-20A	12	20	181	77	167	167	5.9	F3/F4
CG12-24XA	12	24	166	175	125	125	8.6	M5
CG12-33XA	12	33	195	130	155	168	10.2	M6
CG12-40XA	12	40	197	165	170	170	13.5	M6
CG12-60XA	12	60	258	166	206	215	24	M6
CG12-90XA	12	90	306	169	210	215	30	M6
CG12-100XA	12	100	330	171	214	220	32	M8
CG12-120XA	12	120	410	176	227	227	38	M8
CG12-150XA	12	150	485	172	240	240	47	M8
CG12-200XA	12	200	522	238	218	223	65	M8
CG12-230XA	12	230	520	269	203	208	72.6	M8

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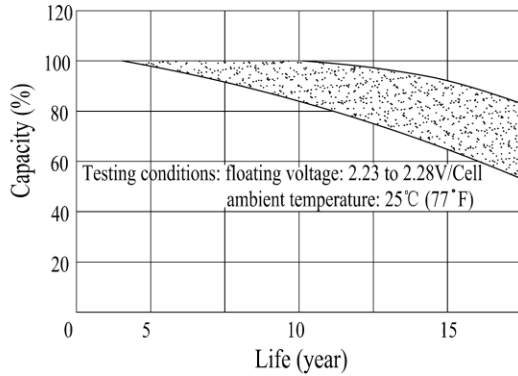
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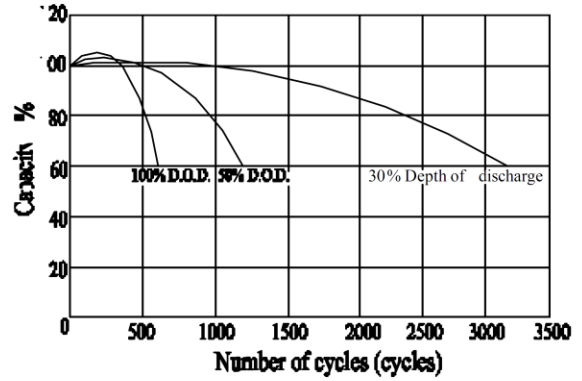
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**SPECIFICATION:**

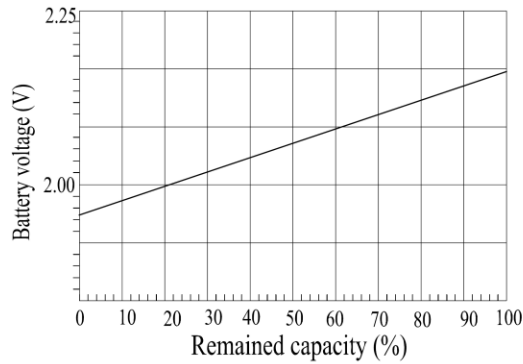
Life characteristics of standby use



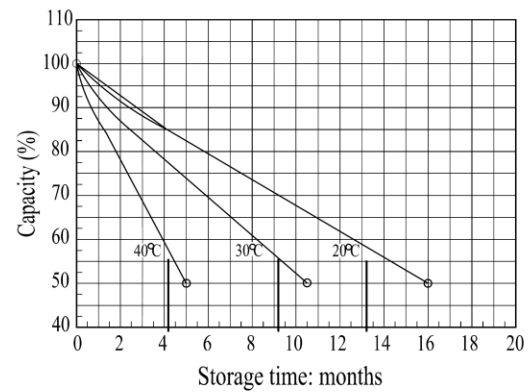
Cycle service life in relation to depth of discharge



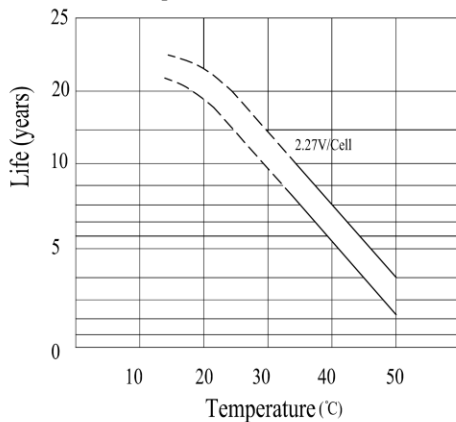
Relationship of OCV and state of charge



Self-discharge characteristic



Temperature effects on float life



Temperature effects on capacity

