

### Long Life Deep Cycle GEL 2V Battery

#### Brief Introduction

CSBattery DC2 GEL series battery is with 15-20 years floating design life, it is ideal for standby or frequent cyclic discharge applications under extreme environments. By adopting thicker grids, high purity 99.997% lead and patented Silicon Gel electrolyte, DC2 GEL series offers excellent recovery performance after deep discharge under frequent cyclic discharge use, and can deliver 1500 cycles at 50% DOD even work in hot or cold area.

Suitable for Solar, CATV, marine, RV and deep discharge UPS, communication, and telecommunication, etc.



#### Complied Standards

IEC60896-21/22	BS6290part4
JISC8704	GB/T19638
IEC61427	CE/ISO

#### Applications

\* BTS Station

\* Solar & Wind Energy System

\* Telecom System

\* Golf Car

\* Wheel Chair

#### General features

30% more cyclic life through innovation at th PAM additives than AGM battery

Long life expectancy of 15-20 years in floating condition

Adopts quality silicon nano gel electrolyte

Excellent deep discharge recovery capability

Deep Cycle performance:  
up to 1500cycles @50%DOD

#### Battery Construction

Component	Positive plate	Negative plate	Container & Cover	Safety valve
Features	Thick high Sn low Ca grid with Special paste	Balanced Pb-Ca grid for improved recombination efficiency	Fire resistance ABS (UL94-V0optional)	Flame Si-Rubber and aging resistance
Component	Terminal	Separator	Electrolyte	Pillar seal
Features	Female Copper Insert M8	Advanced PVC/AGM separator for high pressure cell design	German Evonik Silicon GEL	Two layers epoxy resin seal

#### Technical Specifications

Nominal Voltage	2V(Single Cells Per Unit)	
Design Floating Life @25°C	15-20 Years	
Nominal Capacity @25°C(10 hour rate@1.8V )	100%C (Ah)	
Capacity @25°C	20hour rate (1.8V )	105%C (Ah)
	5 hour rate (1.8V )	80%C(Ah)
	1 hour rate (1.75V )	58%C(Ah)
Internal Resistance	Full Charged Battery@25°C	≤0.02*(mΩ)
	Discharge	-25°C~60°C
Ambient Temperature	Charge	-25°C~60°C
	Storage	-25°C~60°C
	Max.Discharge Current@25°C	5C (5s)
Capacity affected by Temperature (10 hour )	40°C	108%
	25°C	100%
	0°C	90%
	-15°C	70%
Self-Discharge@25°Cper Month	3%	
Standby Use	Initial Charging Current Less than C*0.15A Voltage 2.23-2.27V	
	Cycle Use Initial Charging Current Less than C*0.15A Voltage 2.23-2.3V	
Charge (Constant Voltage) @25°C		

#### 📁 DC2 2V GEL Battery Items specifications

Model	Nominal Voltage (V)	Capacity (Ah)	Dimension (mm)				Net Weight kgs	Gross Weight kgs	Terminal
			Length	Width	Height	Total Height			
DC2-200G	2	200/10HR	170	106	330	367	13.2	13.4	M8
DC2-300G	2	300/10HR	171	151	330	365	18.7	18.9	M8
DC2-400G	2	400/10HR	211	176	329	367	26.3	26.5	M8
DC2-500G	2	500/10HR	241	172	330	364	31.2	31.4	M8
DC2-600G	2	600/10HR	301	175	331	366	37.9	38.2	M8
DC2-800G	2	800/10HR	410	176	330	365	51.8	52.1	M8
DC2-1000G	2	1000/10HR	475	175	328	365	62.5	62.8	M8
DC2-1200G	2	1200/10HR	472	172	338	355	69	69.3	M8
DC2-1500G	2	1500/10HR	401	351	342	378	97	97.5	M8
DC2-2000G	2	2000/10HR	491	351	343	383	130.5	131	M8
DC2-2500G	2	2500/10HR	712	353	341	382	180.5	181	M8
DC2-3000G	2	3000/10HR	712	353	341	382	190.5	191	M8



#### 📁 Performance Characteristics

