



> Characteristics

CSPower GEL battery is manufactured with special sheet separator and colloidal or foamed silica.

The batteries use silica gel to immobilize the electrolyte inside the battery.

The proven silica gel technology improves battery cycle life and performance at extremely cold ambient temperatures.

The deep discharge cycles is increased by 50% as compared with the AGM battery.

Advantages:

1. The colloid battery namely electrolyte liquid contains gaseous silicon dioxide, which shows a gel state characterized by no flow consistency, no leakage and no acid/ liquid dividing layer, allowing the polar plate perform consistently. The battery uses excess electrolytes to avoid drying up of the batter, overcharging, and heat loss. The battery can be put in multiple positions without worry of leakage.
2. Sealed free maintenance design, non spillable and water proof.
3. Longer usage life of cycle 15-20 years.
4. Extremely low discharge rate.
5. Extremely good discharge recovery ability
6. Gas compound efficiency higher than 99%;
7. Efficiently prevents heat loss.
8. Adapts well in different temperature and charge and discharge conditions. It has a long cycle and trickle life even in cases of improper use.

> Application

Solar & Wind power systems, Fire & security systems, Uninterruptible power supplies; Golf cart, Electric vehicle; Electric powered bicycle and wheelchairs; Marine equipment; Communication equipment; Power tools; Telecommunication systems; Urgent light systems; Measurement systems, etc.

GEL BATTERIES

Optimized Extended service life

The electrolyte is immobilized in a gel (sulphuric acid; H₂SO₄).

The gel is a mixture of sulphuric acid, water and SiO₂.

The Gel electrolyte has lower corrosion, and the silica gel immobilize the electrolyte

Adapt to high or low temperature, Good deep discharge performance, Longer Cycle Life



> Specification

Model NO.	Nominal Voltage (V)	Rated Capacity(AH) 10hrs/25°C	Approx. Weight		Dimensions(mm)								Terminal Type
			kg	lbs	Length		Width		Height		Total Height		
					mm	inch	mm	inch	mm	inch	mm	inch	
CG12-33	12	33	10.4	22.9	196	7.70	131	5.16	155	6.10	170	6.69	T9/T16
CG12-38	12	38	12.2	26.84	197	7.73	166	6.54	174	6.85	181	7.13	T12
CG12-50	12	50	16.2	35.6	230	9.06	138	5.43	211	8.30	229	9.01	T9/T16
CG12-55	12	55	16.2	35.6	230	9.06	138	5.43	211	8.30	229	9.01	T9/T16
CG12-65	12	65	20.5	45.1	350	13.8	166	6.54	179	7.05	179	7.05	T9
CG12-70	12	70	22.0	48.4	260	10.2	169	6.65	211	8.30	215	8.46	T16
CG12-80	12	80	23.4	51.5	260	10.2	169	6.65	211	8.3	229	9.02	T14
CG12-85	12	85	29	64.10	307	12.08	169	6.65	211	8.3	234	9.21	T16A/T8
CG12-100	12	100	30	66	331	13.0	173	6.81	213	8.39	233	9.17	T10
CG12-120	12	120	36.5	80.3	407	16.0	174	6.85	209	8.23	233	9.17	T11
CG12-134	12	134	41	90.2	341	13.43	173	6.81	283	11.14	283	11.14	T9/T20
CG12-150	12	150	42.5	93.5	484	19.1	171	6.73	241	9.49	241	9.49	T11
CG12-180	12	180	56.5	124	530	20.9	209	8.23	214	8.43	240	9.45	T9
CG12-200	12	200	60	132	522	20.57	240	9.45	216	8.50	240	9.45	T11
CG12-230	12	230	64	140.8	522	20.6	240	9.45	216	8.50	240	9.45	T9
CG12-250	12	250	68	150	520	20.5	268	10.55	220	8.66	243	9.57	T11