

CG SERIES VRLA GEL BATTERY

Voltage: 6V, 12V

Capacity: upto 6V200Ah, 12V250Ah

Designed floating service life: 12~15 years @ 25 °C/77 °F.



SUMMARY

CSPOWER VRLA standard GEL battery is designed for frequent cyclic charge and discharge applications under extreme environments. By combining the newly developed Nano Silicone Gel electrolyte with high density paste, the Solar range offers high recharge efficiency at very low charge current. The acid stratification is highly reduced by adding Nano Gel.

FEATURES AND BENEFITS

1. This Energy storage battery utilizes gel electrolyte technology. The uniformly distributed gel electrolyte is made by mixing sulfuric acid with silica fume.
2. The electrolyte can hold the battery plates securely in an immobile gel.
3. Radial grid design offers this power storage device excellent discharge performance.
4. Due to 4BS lead paste technology, our deep cycle gel battery provides long lasting service life.
5. Employing unique grid alloy, special gel formulation and distinct positive and negative lead paste ratio, the maintenance free battery boasts outstanding deep cycle service performance and over discharge recovery ability.
6. Completely manufactured from high purity raw materials, CSPOWERVRLA standard gel battery has extremely low self discharge.
7. Gas recombination technology ensures excellent seal reaction efficiency, thus delivering no pollution such as acid mist to the environment.
8. The gel VRLA battery boasts reliable sealing technology which enables security seal performance.

CHARGING VOLTAGE AND SETTINGS

Constant voltage charging is recommended

Recommended float charge voltage: 2.27V/cell @20~25°C

Float voltage temperature compensation: -3mV/°C/cell

Float voltage range: 2.27 to 2.30 V/cell @ 20~25°C

Cyclic application charge voltage : 2.40 to 2.47 V/cell @ 20~25°C

Max. charge current allowable : 0.25C

CONST

- 1) Container/Cover: MADE OF UL94V-0 ABS Plastic, fire resistance and water proof.
- 2) 99.997% pure new lead NEVER use recycle lead.
- 3) Negative Plates: Use the special PbCa alloy grids, optimize the recombination efficiency and less gassing.
- 4) High quality AGM separator: Absorb acid electrolyte, the best retainer mat for VRLA batteries.
- 5) Positive plates: PbCa grids minimize corrosion and prolong life.
- 6) Terminal post: Copper or lead material with maximum conductivity, enhance the high current rapidly..
- 7) Vent Valve: Allows the release of the excess gas automatically for safety.
- 8) Three steps of Seal procedures: Ensure battery completely sealed with safety, never leakage and volatile acid, longer life.
- 9) Silicone Nano GEL electrolyte: Import from Germany Degussy famous brand silicone.

APPLICATIONS

- Electric Powered Vehicles
- Golf Cars and Buggies
- Wheel Chairs
- Power Tools
- Electric Powered Toys
- Control System
- Medical Equipments
- UPS systems
- Solar and Wind
- Emergency systems

COMPLIED STANDARDS

- UL
- CE
- IEC 61427
- IEC 60896-21/22
- BS6290 part 4
- Eurobat guide, long life
- GB/T 22473
- IATA and IMDG
- ISO9001/14001/18001

CSPOWER MODEL	Voltage (V)	Capacity (Ah)	Battery Dimension (mm)				Weight (kg) (±3%)	Terminal	Bolt
			Length	Width	Height	Total Height			
CG6-180	6	180	260	180	247	251	28	T5	M8×16
CG6-180A	6	180	306	168	220	226	27.5	T5	M8×16
CG6-200	6	200	260	180	247	251	30	T5	M8×16
CG6-200A	6	200	323	178	224	229	30	T5	M8×16
CG12-33	12	33	196	130	155	167	10.5	T2	M6×16
CG12-38/40	12	38/40	198	166	172	172	12.8	T2	M6×16
CG12-45	12	45	198	166	174	174	13.5	T2	M6×16
CG12-50	12	50	229	138	208	212	16	T3	M6×16
CG12-55	12	55	229	138	208	212	16.7	T3	M6×16
CG12-65	12	65	350	167	178	178	21	T3	M6×16
CG12-70	12	70	350	167	178	178	22	T3	M6×16
CG12-75	12	75	260	169	211	215	22.5	T3	M6×16
CG12-80	12	80	260	169	211	215	24	T3	M8×16
CG12-85/90	12	85/90	331	174	214	219	25.5	T3	M6×16
CG12-100	12	100	307	169	211	216	27.5	T3	M6×16
CG12-100A	12	100	331	174	214	219	29.5	T4	M8×16
CG12-120	12	120	407	173	210	233	33.5	T5	M8×16
CG12-120A	12	120	407	173	210	233	34.5	T5	M8×16
CG12-135	12	135	341	173	283	288	41.5	T5	M8×16
CG12-150A	12	150	484	171	241	241	41.5	T4	M8×16
CG12-150	12	150	484	171	241	241	44	T4	M8×16
CG12-160	12	160	532	206	216	222	49	T4	M8×16
CG12-180	12	180	532	206	216	222	53.5	T4	M8×16
CG12-200	12	200	522	240	219	225	56.5	T5	M8×16
CG12-200A	12	200	522	240	219	225	58.7	T5	M8×16
CG12-230	12	230	522	240	219	225	61.5	T5	M8×16
CG12-250	12	250	520	268	220	225	70.5	T5	M8×16

