STAND BY BULL

Banner

Cell SCG: Type SCG 2-50 → SCG 2-3850

Banner Stand-by Bull Cell GEL batteries are encapsulated, valve controlled lead batteries containing an electrolyte gel. These block batteries are characterised by their robust design, versatility of application and zero-maintenance design. Other advantages include their long service life, high cyclical resistance and large capacity range of up to 3,850 Ah. These batteries are mainly employed in power stations, the telecommunications and medical units.

Features

- Single cells, 2 V rated voltage
- Corrosion-resistant terminal design
- Zero-maintenance for entire service life
- Compensation charge voltage of 2.27 V/cell
- Recommended temperature range of 20°C (max. –10°C to +50°C)
- Long service life even under cyclical loads
- Employment independent of position
- Designed for a service life of 10 years + in stand by operation mode
- "High performance" after EUROBAT
- Secure agianst deep discharge in accordance with DIN 43539 T 5



Design

- Positive electrode
  Lead/calcium, high-performance grid with pasted active mass
- Negative electrode
  Lead/calcium, high-performance grid with pasted active mass
- Separation
  Microporous duroplastic cutter with glass fibre coating
- Casing material
  ABS, bonded cover
- Electrolyte
  Extremely pure sulphuric acid bound into a gel
- Terminal design
  Electrolyte-tight safety terminal sealed with epoxy resin
- Cell connections
  Flexible/rigid, fully insulated copper cable connector
- Cell plug
  Safety valve with an overpressure ventilation system for 2 psi (14 Kpa) gas pressure



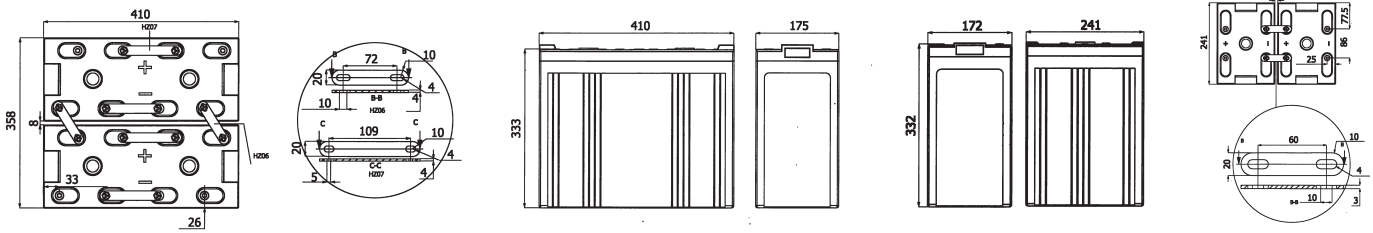
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Technical details

Type	Rated voltage in V	Capacity in Ah C 10 1.80 V/Z.	C 5 1.75 V/Z.	C 1 1.67 V/Z.	Dimensions Length mm	Width mm	Height mm	Ri mOhm	Ik in A	Terminal No	Charge voltage max. A	Type of connection	Total weight kg
SCG 2-50	2	50	43.4	32	161	50	166	2.1	509	2	10	Insert	3.8
SCG 2-100	2	100	89	65,2	171	72	205	2	1.080	2	20	Insert	5.6
SCG 2-150	2	150	133	93,4	172	102	205	1.5	1.550	2	30	Insert	10
SCG 2-200	2	200	178	125	173	111	329	0.5	1.600	2	40	Insert	14.2
SCG 2-250	2	250	222.5	156	173	111	329	0.45	2.000	2	50	Insert	17
SCG 2-300	2	300	267	187	171	151	330	0.4	2.400	2	60	Insert	19.7
SCG 2-375	2	375	334	234	171	151	330	0.39	3.000	2	75	Insert	23.5
SCG 2-400	2	400	355.5	250	211	176	329	0.36	3.200	4	80	Insert	27
SCG 2-450	2	450	399.5	280	223	187	351	0.33	3.600	4	90	Insert	32
SCG 2-500-1	2	500	445	356	211	176	329	0.3	4.000	4	100	Insert	32.3
SCG 2-500-2	2	500	445	356	241	172	331	0.3	4.000	4	100	Insert	32.3
SCG 2-575	2	575	505	356	223	187	351	0.29	4.600	4	115	Insert	36.5
SCG 2-600	2	600	535	374	301	175	331	0.28	4.800	4	120	Insert	38
SCG 2-625	2	625	555	390	241	172	331	0.25	5.000	4	125	Insert	39
SCG 2-750	2	750	670	468	301	175	331	0.22	6.000	4	130	Insert	51
SCG 2-800	2	800	715	500	410	175	330	0.2	6.400	8	160	Insert	52.5
SCG 2-1000-1	2	1000	890	624	410	175	330	0.16	7.900	8	200	Insert	63
SCG 2-1000-2	2	1000	890	624	475	175	328	0.16	7.900	8	200	Insert	63
SCG 2-1250	2	1250	1115	781	475	175	328	0.13	10.050	8	250	Insert	78
SCG 2-1500	2	1500	1330	935	401	351	342	0.11	11.950	8	300	Insert	103
SCG 2-1875	2	1875	1665	1170	401	351	342	0.1	15.050	8	375	Insert	125
SCG 2-2000	2	2000	1780	1249	491	351	344	0.09	16.100	8	400	Insert	132
SCG 2-2500	2	2500	2225	1561	491	351	344	0.08	19.850	8	500	Insert	175
SCG 2-3000	2	3000	2670	1873	712	353	341	0.08	24.100	8	600	Insert	211
SCG 2-3850	2	3850	3425	2404	712	353	341	0.07	30.800	8	770	Insert	261

The given electrical values are valid for loads in a fully charged condition and an ambient temperature of 20°C.



Installation

The cells are suitable for position-independent installation on racks or in cabinets. On request, we supply special racks for zones subject to earthquakes, telecommunications applications and UPS systems. The safety regulations according to EN 50272-2 are to be observed, particularly those relating to ventilation. Charging must be adjusted to the voltage limits stipulated in our data sheets.

All figures relating to dimensions and weight are subject ton the standard production tolerances.
The electrical values are approximate. Our products are subject to ongoing development, therefore we retain the right to make changes without an obligation to inform.

Presented by:

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