

Sales



Company Profile



- 24 years experience in battery design, development and manufacture
- World class technology
- Factory is ISO9001 certified
- Batteries are CE, UL, EEC compliant
- ABS flame retardant containers
- Battery Energy Power Solutions Pty Ltd is an Australian owned ISO 9001 battery manufacturer and distributor. We are the only successful manufacturer of industrial sealed lead acid batteries in Australia.
- Battery Energy has a strong brand recognition built on reliability, commitment and strategic partnerships with key organisations. We produce and distribute from Sydney and have expanded to overseas manufacturing providing a dual source of long life, high quality, cost effective Gel Batteries.

Contact

Head Office: 96 Fairfield Street, Fairfield NSW 2165 Australia.
Toll Free: 1800 819 829
Phone: +61 2 9681 3633
Fax: +61 2 9632 4622
Email: customer.service@batteryenergy.com.au
Web: www.batteryenergy.com.au



batteryenergy
power solutions for tomorrow's world

sungel

Australia's leading gel battery manufacturer



Technical Specifications

The Sungel battery was developed to fill the need for a robust, temperature tolerant battery with a long service life for remote energy storage applications. Battery Energy with the assistance of CSIRO developed Sungel technology over many years of extensive research.

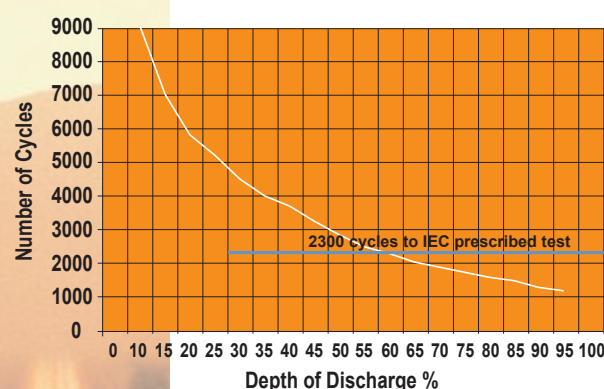
Sungel was designed to survive conditions which spelt early failure by previous standards.

Setting a new benchmark in performance under harsh conditions sunGEL provides long, reliable service without the need for frequent maintenance. Sungel is an ideal solution for all sites in remote and difficult access regions.

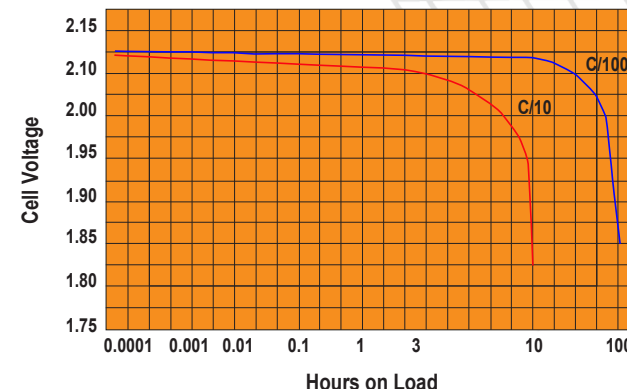
- The highest quality standards – ISO9001 accredited.
- Specifically designed corrosion resistant alloys.
- High performance, long life active material.
- Hi tech gel formulation to prevent electrolyte 'dryout'.
- Excellent recovery from deep discharge.
- 100% cell testing to ensure reliable performance.

Sungel built to last through superior design, high quality materials and pride of workmanship.

Sungel Typical Dishcharge Curves



Sungel Deep Dishcharge Cycle Life



Positive plate thickness	5.4mm
Positive plate separation	Micro porous PVC (4.9mm with fiberglass)
Safety vent	Self resealing 150 mbar
Self discharge	2.5% per month
Float voltage	2.25 – 2.30 VPC*
Boost charge	2.40 – 2.45 VPC*
Equalisation charge	2.40 – 2.50 VPC*
Seals	Multiple 'O' ring seal with long life adhesive
Terminals	No exposed non lead surfaces
Casing	Flame retardant to UL94V-O and BS6334 FVO
Compliance	IEC 61427 (1999), AS 4086.1 (1993)

*These settings are application specific.

Battery Specifications

Model	Nom Volts	10hr rate to 1.80 VPC	120hr rate to 1.80 VPC	Length mm	Width mm	Height mm	Weight kg
4SG110	4	74	110	109	184	265	13.5
6SG150	6	105	157	276	184	265	28
6SG200	6	140	210	276	184	265	32.5
2SG250	2	175	262	109	184	265	13
4SG320	4	269	338	276	184	265	38
2SG450	2	315	472	184	197	265	23
2SG650	2	455	682	184	276	265	32
2SG875	2	555	874	145	206	680	49
2SG1000	2	666	1048	145	206	680	54
2SG1200	2	777	1223	210	191	680	64
2SG1400	2	888	1398	210	191	680	71
2SG1750	2	1110	1747	210	233	680	87
2SG2000	2	1332	2097	210	275	680	103
12SG133FTG	12	103	133	394	125	287	42
12SG200FTG	12	160	200	544	125	317	63

**Information contained in this brochure is for general information only.

**For specific information please refer to the product data sheets or contact Battery Energy.