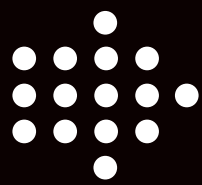




**battery**energy



# [sungel]

Australia's **Leading Gel Battery** Manufacturer



Telecommunications

Solar lighting

Radar tracking systems

Remote Control Centres

# [sungel]



When no energy storage system was available to adequately withstand the rigors of the Australian outback, Battery Energy responded. Years of research by Battery Energy and CSIRO resulted in the development of SUNGEL technology.

SUNGEL was designed to survive conditions which spelt early failure by previous standards. Setting a new benchmark in performance as temperatures soar SUNGEL provides long, reliable service without the need for frequent attention. An ideal solution for all sites including remote regions which are difficult to access.



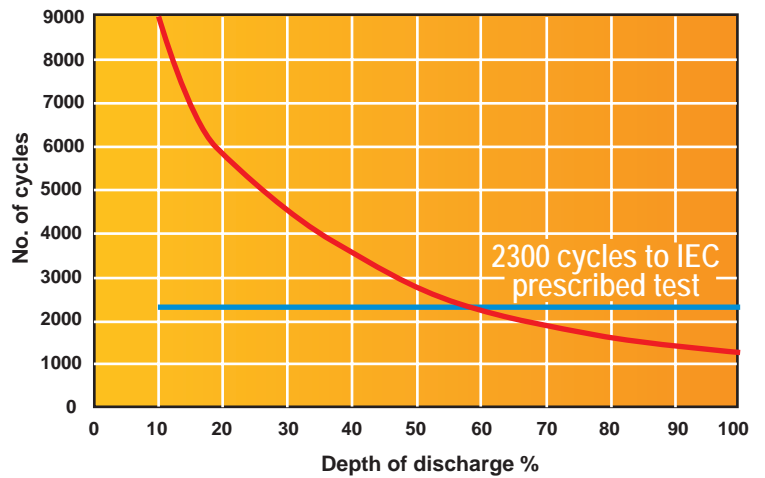
Workers on the production line at the Battery Energy Factory

- The highest quality standards - ISO 9001 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.

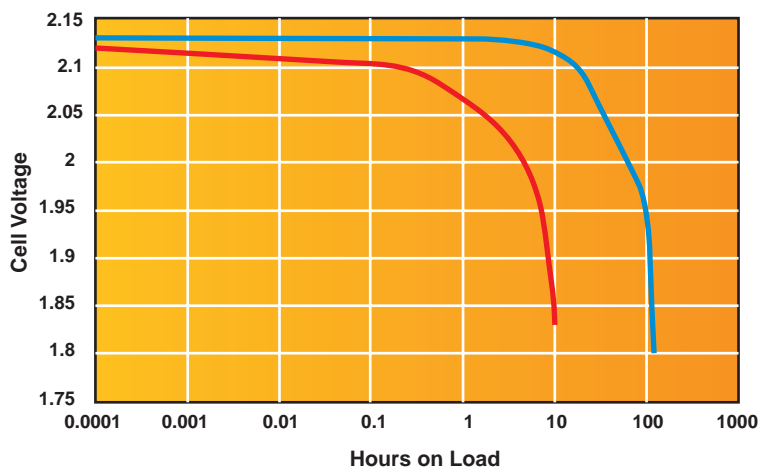
## Designed to meet the challenge



### Sungel Deep Discharge Cycle Life



### Sungel Typical Discharge Curves





**Built to last**  
**SUNGEL** Through **superior design,**  
 highest **quality** materials and **pride** of workmanship.

## 01 Technical Specifications

Positive Plate Thickness	5.4mm
Positive Plate Separation	Micro Porous PVC (4.9mm with fibreglass)
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)

## 02 Battery Specifications

Model	Nominal volts	10hr rate to 1.80 VPC	120hr rate to 1.80 VPC	Dimensions			Weight (kg)
				Length (mm)	Width (mm)	Height (mm)	
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	275	680	87
2SG2000	2	1332	2097	210	275	680	103
2SG2600	2	1776	2795	212	487	680	138
2SG3000	2	1998	3145	212	487	680	152
2SG3750	2	2441	3844	212	487	680	188
2SG4500	2	2885	4542	212	576	680	220