

SunGEL® Ultra Range

Model	Nom Volts	Ah Cap 120hr rate to 1.80 VPC	Ah Cap 10hr rate to 1.80 VPC	Length (mm)	Width (mm)	Height (mm)	Weight (kg)
4SGU100N	4	110	70	109	184	265	11.5
6SGU200	6	210	140	276	184	265	32.0
2SGU250	2	262	175	109	184	265	13.5
2SGU250N	2	262	175	109	184	265	13.5
4SGU320	4	338	269	276	184	265	39.0
2SGU450	2	472	315	197	184	265	23.0
2SGU470	2	478	303	206	124	497	25.0
2SGU595	2	597	378	206	124	497	29.5
2SGU650	2	682	455	276	184	265	33.0
2SGU710	2	716	455	206	145	497	34.0
2SGU820	2	836	538	206	166	497	38.0
2SGU1000	2	1048	666	206	145	680	54.0
2SGU1320	2	1320	850	235	179	550	61.7
2SGU1400	2	1398	888	210	191	680	71.0
2SGU2000	2	2097	1332	210	275	680	103.0
Warranty - 6 years full replacement plus 6 years pro rata discount							
12SGU133-FTG-H	12	135	109	394	125	297	37.8
12SGU200-FTG-H	12	205	166	560	125	325	58.5
Warranty - 5 years full replacement plus 5 years pro rata discount							



SunGEL® Ultra Batteries

Australian designed with industry-leading life expectancy for heavy cycling and solar applications



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The data presented in this document is based on testing conditions in Battery Energy Power Solutions' controlled laboratory conditions and intended for reference purposes only. Actual results and usage of the Battery Energy Power Solutions product(s) may vary depending on use and other external factors. The data presented is not exhaustive and further specifications may be included in the terms and conditions provided upon purchase of the product(s). In no event shall Battery Energy Power Solutions be liable for any loss or damage howsoever arising as a result of reliance of this document. Battery Energy Power Solutions reserves the right to make changes to this document and the product(s) described herein at any time without notice. © Copyright 2020 Battery Energy Power Solutions Pty Ltd. Doc. N° BE-GE-BU041-Rev0



SunGEL® Ultra Batteries

Australian designed Lead Carbon-Catalyst technology

Introducing SunGEL Ultra. Now with 35% longer cycle life, the newest generation of SunGEL batteries have an industry leading cycle life at 5,950 cycles under recommended operation and settings. The robust Thick Plate design with Advanced Lead Carbon-Catalyst technology to give you a battery with a premium 20-year design life.

For over 30 years, Battery Energy has delivered a proven and reliable battery. Through ongoing development, we continue to ensure the SunGEL range remains the best choice for solar applications.

35% longer cycle life

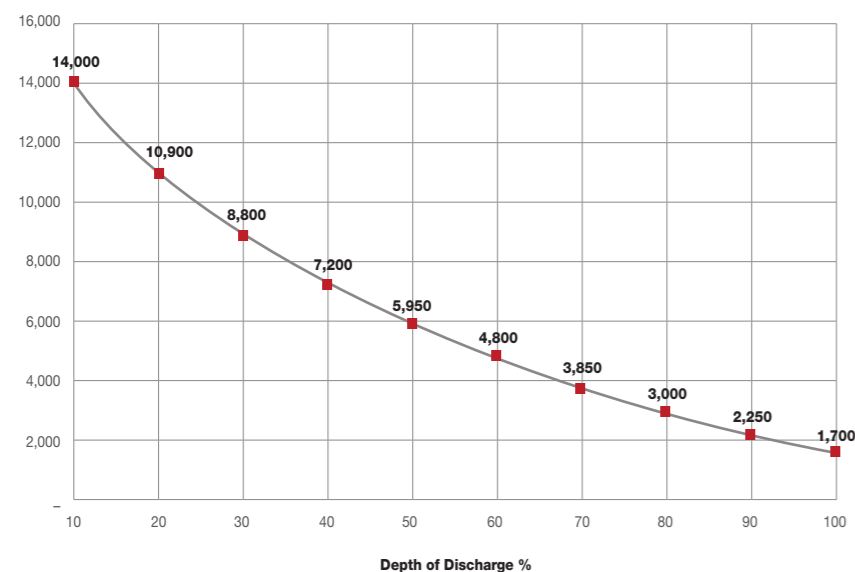
Positive grid corrosion and negative plate sulphation are the main causes of failure in a battery. With this in mind, we designed our batteries with Advanced Carbons to reduce sulphation, improve cycling and assist recharge. SunGEL Ultra batteries also features Micro Catalysts to decrease required charging float currents.

These features plus the Ultra Thick positive plate minimise corrosion making sure your batteries last for thousands of cycles and provide reliable energy for many years of service.

Flexible block sizes

Our SunGEL Ultra range comes in 2V, 4V, 6V and 12V blocks giving you greater flexibility when designing a new system or connecting to an existing system.

SunGEL Ultra DOD% Vs Life



Proven resilience in high temperature

Along with superior deep-cycle and float performance, SunGEL Ultra batteries are manufactured with Advanced Carbon-Catalyst Technology for optimum efficiency allowing them to charge more efficiently and prolonging their life in high temperature applications. Without the need for external cooling to compensate, these batteries will perform supremely in temperatures up to 35°C before cooling is required.

Their gelled electrolyte prevents drying out, unlike other technologies, and allows your battery to operate for long periods maintenance free in extreme climates.

Designed for safety

Protection was paramount when developing the SunGEL products. With ABS fire retardant containers as standard as well as fire arrestor vents, this battery exceeds all necessary safety standards.

A safe and superior storage system with a life expectancy to meet the demands of heavy cycling for both on and off-grid solar applications



Proven reliable power

Developed in collaboration with the CSIRO, SunGEL Ultra is the result of several years of testing and analysis of the improvements made to the existing and proven SunGEL range.



Guaranteed quality. Fully charged and ready for deployment

Triple QA process from manufacture to 100% cell testing as well as individual battery identification number.



Industry leading warranty with local Australian support

Standard 12 year warranty. Local sales and technical support direct from the manufacturer, Battery Energy.



Maintenance free, safe energy

Built with non-spillable gelled electrolyte, spark arrestor in the safety valve and ABS UL94V-0 flame retardant container.



Built for long life in extreme temperatures

Designed in Australia with high quality components for Australia's harsh conditions. 20 years design life at 25°C.



Better return on investment

A long term competitive pay off over the lifespan of the battery.