



SunGEL Ultra 6SGU200

Advanced Carbon VRLA battery

6 Volts 200Ah

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

Highlights:

- Industry leading cycle life at 5,950 cycles @ 50% DOD.
 - Thick plate Lead Carbon technology giving premium 20-year design life.
 - Advanced Micro-Catalyst Technology.
 - Australian designed for high temperature applications.
 - Excellent recovery from deep discharge.
 - 100% testing prior to dispatch to ensure batteries are fully charged and prepared for reliable performance.
-

35% longer cycle life

SunGEL[®] Ultra is the successful development of Battery Energy's proven Australian designed SunGEL batteries.

The robust Thick Plate design combined with the introduction of innovative Advanced Lead Carbon-Micro Catalyst technology, reduces sulphation, improves cycling and assists recharge. Designed to perform, these batteries have an industry leading cycle life under recommended operating settings and will provide reliable energy for many years of service.

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.

Proven resilience in high temperature

SunGEL Ultra batteries are designed to endure higher average temperatures. The Advanced Carbon-Catalyst Technology creates optimum charge efficiency and prolongs their life in high temperature applications up to 35°C without the need of compensation.

Maintenance-free 20-year design life

With superior deep-cycle performance, SunGEL Ultra batteries are manufactured with proprietary gelled electrolyte to prevent drying out. This allows your batteries to operate for long periods maintenance-free – even in extreme climates.

Why choose Battery Energy?

Battery Energy Power Solutions deliver the combination of premier energy storage solutions, technical expertise and industry-leading experience all backed with continual support to give you peace of mind.



Specifications

Nominal voltage	6 Volts
Rated capacity (C/120 to 1.80 Vpc at 25°C)	210 Ah
Design life at 25°C	20 years

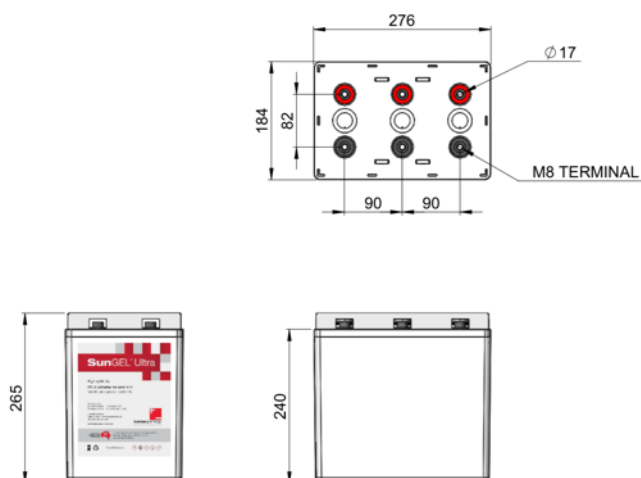
Mechanical characteristics

Length	276mm
Width	184 mm
Height	265 mm
Weight	32 kg
Terminal	M8
Torque	8-10 Nm

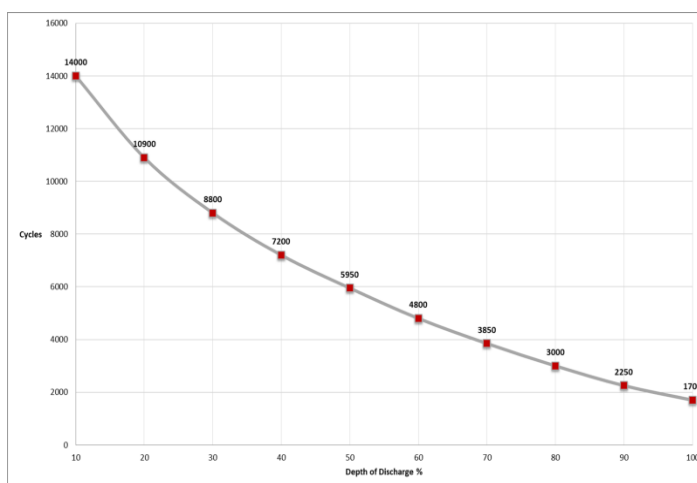
Operating conditions at 25°C

Capacity	C/120 to 1.80 Vpc	210 Ah
	C/10 to 1.80 Vpc	140 Ah
	C/1 to 1.80 Vpc	77 Ah
Internal resistance		0.95 mΩ
Maximum discharge current		300 A
Short circuit current		2400 A
Charging (constant voltage)	Boost	2.40-2.45 Vpc
	Float	2.25-2.275 Vpc
Capacity temperature dependence		0.6% / °C
Self-discharge		2.5% / month
Operating temperature		-20°C to 55°C

Battery dimensions



Cycle life



Discharge amperes-hours capacity at 25°C (Ah)

End Vpc	1H	2H	3H	4H	5H	8H	10H	12H	24H	48H	72H	100H	120H	168H	240H
1.85	70.5	80.7	96.3	103.6	110.4	127.0	135.9	143.9	161.6	186.9	192.3	197.4	205.6	212.8	216.0
1.80	76.8	86.3	101.1	108.3	114.8	131.4	140.0	147.7	165.6	190.6	196.1	201.3	209.7	212.8	216.0
1.75	78.5	87.8	102.6	109.7	115.8	132.3	140.8	148.3	165.6	190.6	196.1	201.3	209.7	212.8	216.0
1.70	84.5	90.6	104.1	111.1	116.8	133.1	141.4	148.7	165.6	190.6	196.1	201.3	209.7	212.8	216.0

Discharge watts-hours capacity at 25°C (Wh)

End Vpc	1H	2H	3H	4H	5H	8H	10H	12H	24H	48H	72H	100H	120H	168H	240H
1.85	134.6	155.3	185.8	201.1	214.7	247.6	265.7	281.8	319.1	371.9	383.6	394.7	411.2	426.1	433.1
1.80	145.2	164.8	194.6	209.6	222.7	255.6	273.0	289.5	326.2	379.3	391.3	402.6	419.4	426.1	433.1
1.75	146.8	166.8	196.5	211.2	223.6	256.7	273.9	289.9	326.2	379.3	391.3	402.6	419.4	426.1	433.1
1.70	155.4	169.5	196.8	211.7	223.9	256.7	275.0	290.6	326.2	379.3	391.3	402.6	419.4	426.1	433.1

For more information

Please contact your Battery Energy Sales Representative, call 1800 819 829 or visit our website: batteryenergy.com.au

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.