SunGEL Ultra 12SGU200FTG-H

Advanced Carbon VRLA battery

12 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.
- Thick plate Lead Carbon technology giving premium 16-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.

Maintenance-free extended design life

With superior deep-cycle performance, SunGEL Ultra batteries are manufactured with combined proprietary gelled electrolyte and Micro-Catalysts 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	12 Volts
Rated capacity (C/120 to 1.80 Vpc at 25°C)	205 Ah
Design life at 25°C	16 years

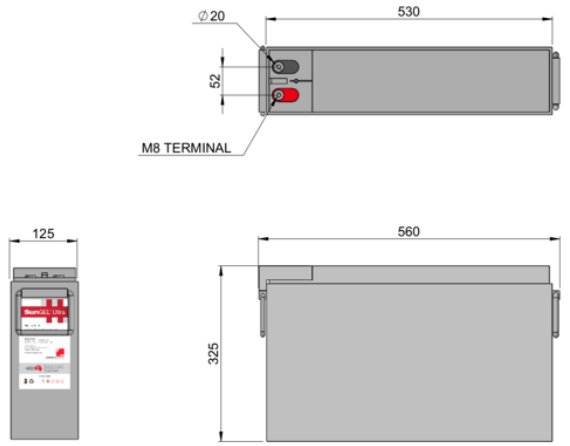
Mechanical characteristics

Length	560 mm
Width	125 mm
Height	325 mm
Weight	58.5 kg
Terminal	M8
Torque	8-10 Nm

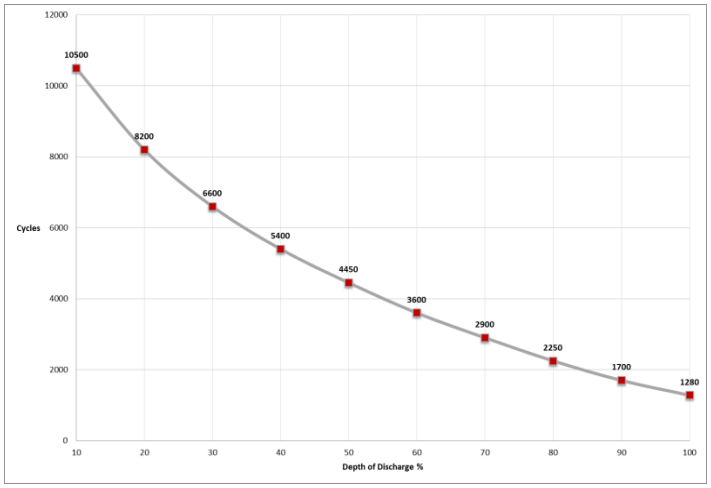
Operating conditions at 25°C

Capacity	C/120 to 1.80 Vpc	205 Ah
	C/10 to 1.80 Vpc	166 Ah
	C/1 to 1.80 Vpc	104 Ah
Internal resistance		4.5 mΩ
Maximum discharge current		380 A
Short circuit current		1625 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	95	110	131	139	142	157	161	165	186	197	199	200	201	202	203
1.80	104	117	137	145	148	163	166	170	190	201	203	204	205	206	207
1.75	106	119	139	147	149	164	167	171	190	201	203	204	205	206	207
1.70	114	123	141	149	150	165	168	171	190	201	203	204	205	206	207

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	181	211	252	269	276	306	315	325	367	392	397	400	402	405	407
1.80	196	224	264	281	286	316	324	334	375	400	405	408	410	413	415
1.75	198	227	267	283	287	318	325	334	375	400	405	408	410	413	415
1.70	210	230	267	284	288	318	326	335	375	400	405	408	410	413	415

For more information

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

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