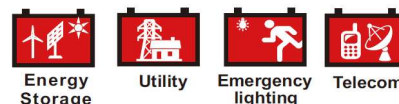


GudE Potencia SCG series is Superior Cyclic VRLA AGM Gel Battery. By combining the newly developed Nano-Gel electrolyte and high cyclic paste, SCG series delivers high cycle performance and excellent high&low temperature performance, it is highly suited for renewable energy storage systems, outdoor telecom and other cyclic applications in harsh environment.



FEATURES AND BENEFITS

- 15 years long life design at 25°C (77°F)
- Excellent cyclic life thanks to thick plate design and advanced nano-gel technology
- Long shelf life thanks to low self-discharge rate
- High temperature resistance and high overcharge resistance
- Integrated handle for easy installation
- Two optional terminals (screw type or cable) provided for flexible installation
- Wide temperature range operating between -40°C and +60°C
- International Standards Compliance, i.e. IEC, EN, BS, CE, etc.



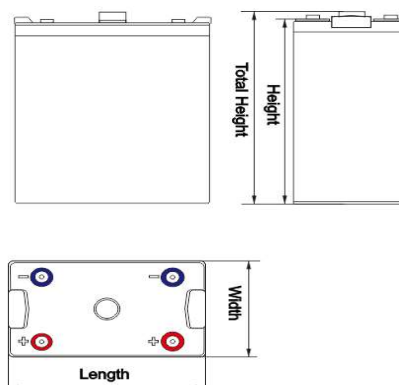
ELECTRICAL SPECIFICATIONS

Model No.	Number of Cells	Nominal Voltage (V)	Capacity (25°C)					Internal Resist. (mΩ)	Short Circuit Current (A)	Maximum Current	
			C ₁₀ @ 1.8V/cell	C ₈ @ 1.75V/cell	C ₃ @ 1.70V/cell	C ₁ @ 1.60V/cell	C _{15min} @ 1.65V/cell			Charge (A)	Discharge (5s) (A)
			(Ah)				W/cell				
2SCG200	1	2	200	196	161	129	433	< 0.75	2800	50	1400
2SCG300	1	2	300	294	234	193	649	< 0.60	4000	75	1500
2SCG400	1	2	400	392	323	257	865	< 0.44	5100	100	2000
2SCG500	1	2	500	490	391	322	1082	< 0.40	6000	125	2000
2SCG600	1	2	600	588	469	386	1298	< 0.33	7000	150	2500
2SCG800	1	2	800	784	617	515	1525	< 0.28	9000	200	3200
2SCG1000	1	2	1000	980	806	642	1906	< 0.24	11000	250	4000
2SCG1200	1	2	1200	1176	967	771	2288	< 0.20	12000	300	4000
2SCG1500	1	2	1500	1470	1209	964	1860	< 0.17	14000	375	5000
2SCG2000	1	2	2000	1960	1612	1285	3813	< 0.14	17500	500	6000
2SCG2500	1	2	2500	2450	2015	1606	4766	< 0.12	21000	625	6000
2SCG3000	1	2	3000	2940	2423	1932	5720	< 0.11	27000	750	8000

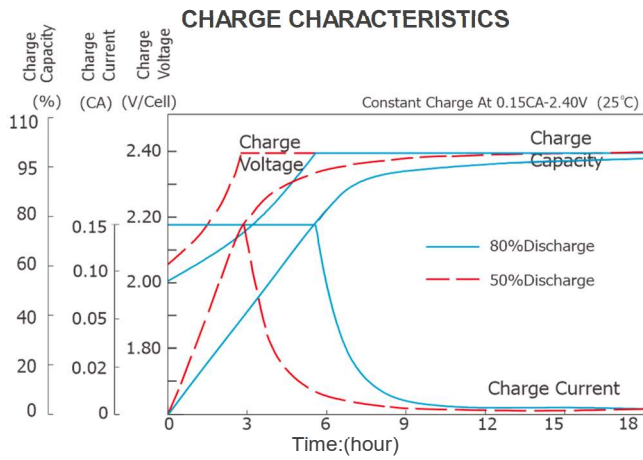
• For detailed discharge data of each single battery model, contact us by sending emails to info@gudepotencia.com

PHYSICAL SPECIFICATIONS

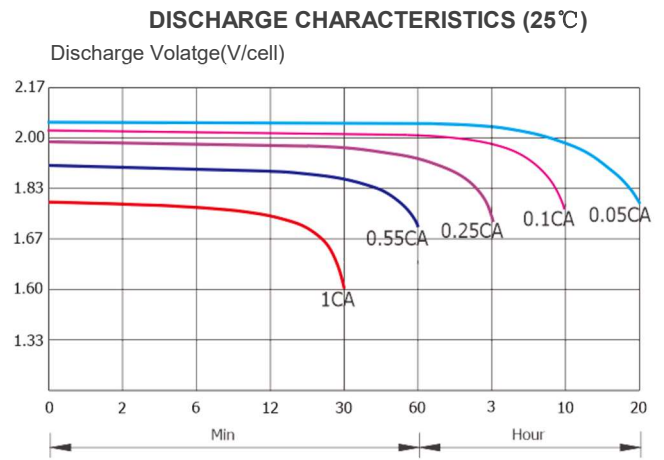
Model No.	Dimension(mm)				Weight (kg)	Terminal	
	Length	Width	Height	Total Height		Type	Torque (N·m)
2SCG200	170	105	340	345	14.0	F-M8	10-12
2SCG300	170	150	340	345	19.5	F-M8	10-12
2SCG400	195	170	340	345	26.0	F-M8	10-12
2SCG500	240	170	340	345	30.5	F-M8	10-12
2SCG600	283	170	340	345	38.0	F-M8	10-12
2SCG800	382	170	340	345	52.5	F-M8	10-12
2SCG1000	470	170	340	345	61.0	F-M8	10-12
2SCG1200	470	170	340	345	66.0	F-M8	10-12
2SCG1500	353	335	335	345	92.0	F-M8	10-12
2SCG2000	475	335	335	345	125.0	F-M8	10-12
2SCG2500	475	335	335	345	135.0	F-M8	10-12
2SCG3000	695	338	335	345	185.0	F-M8	10-12



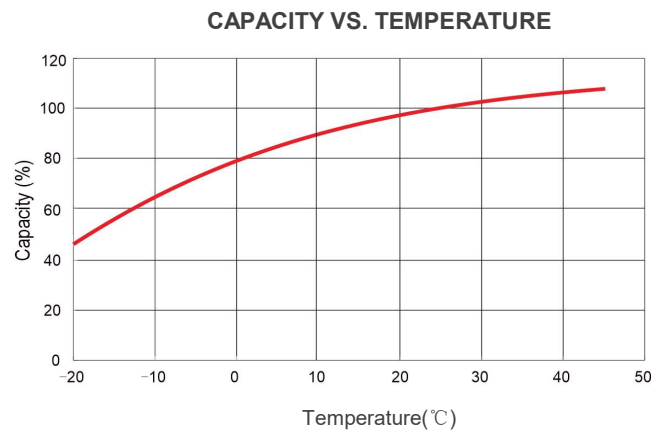
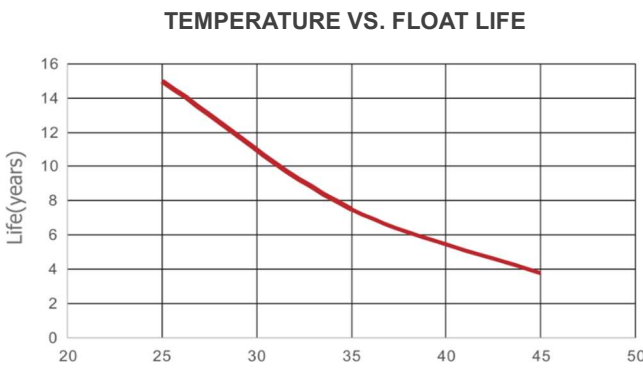
CHARGE / DISCHARGE CHARACTERISTICS



• Float voltage: 2.25Vpc, Equalization voltage: 2.35Vpc - 2.40Vpc @25°C

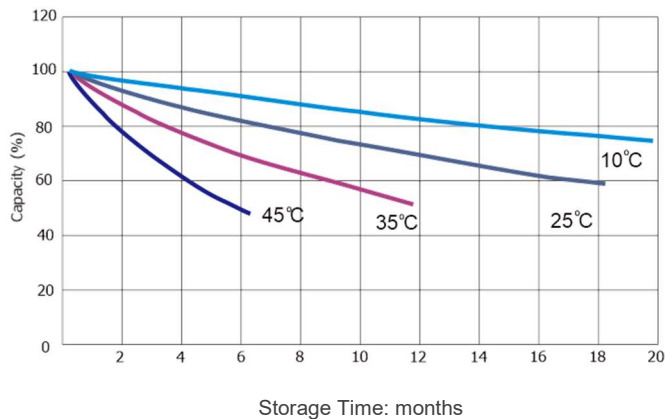


TEMPERATURE CHARACTERISTICS

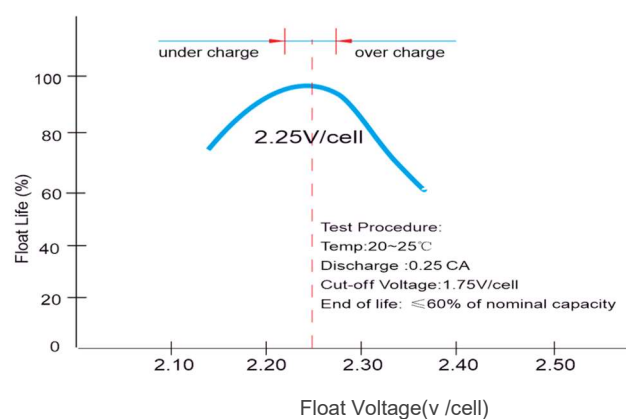


Temperature Range		
Discharge	Charge	Storage
-40 °C to +60°C	-20 °C to +55°C	-20 °C to +45°C

SELF-DISCHARGE CHARACTERISTICS



STATIONARY / FLOAT CHARACTERISTICS



HANGZHOU GUDE POWER CO., LTD.

RM 2012 SME Tower, No. 553 Wensan Rd., Hangzhou, China. 310000

Tel: +86 571 5605 1915 Email: info@gudepotencia.com

www.gudepotencia.com