

SBDG12-260(12V260Ah)

SKANBATT

Specification

Cells Per Unit	6
Voltage Per Unit	12V
Capacity	260Ah@20hour-rate to 1.75V per cell @25°C
Weight	Approx. 72.0 Kg (Tolerance ±5%)
Internal Resistance	≤6.5 mΩ (Full Charge Condition @25°C)
Terminal	Default F14(M8), L6 Optional
Max. Discharge Current	2600A (5 sec)
Design Life	15 years
Max. Charging Current	52.0 A
Reference Capacity	C ₃ 171.9Ah C ₅ 195.0Ah C ₁₀ 229.0Ah C ₂₀ 260.0Ah
Float Charging Voltage	13.38 V~13.50 V @ 25°C Temperature Compensation: -3mV/°C/Cell
Cycle Use Voltage	14.20 V~14.40 V @ 25°C Temperature Compensation: -4mV/°C/Cell
Operating Temperature Range	Discharge: -40°C~60°C Charge: 0°C~50°C Storage: -40°C~60°C
Normal Operating Temperature Range	25°C ±5°C
Self Discharge	Valve Regulated Lead Acid (VRLA) GEL batteries can be stored for up to 6 months at 25°C and then recharging is recommended. Monthly Self-discharge ratio is less than 2% at 25°C. Please charge batteries before using.
Container Material	A.B.S. UL94-HB, UL94-V0 Optional.



SKANBATT SBDG (Deep Cycle GEL) series is pure GEL battery with 15 years floating design life, it is ideal for standby or frequent cyclic discharge applications under extreme environments. By using strong grids, high purity lead and patented GEL electrolyte, the SBDG series offers excellent recovery capability after deep discharge under frequent cyclic discharge use, and it can offer 2 times cyclic life than the standard series. It is suitable for solar & wind system, marine, deep discharge UPS etc.



ISO 9001



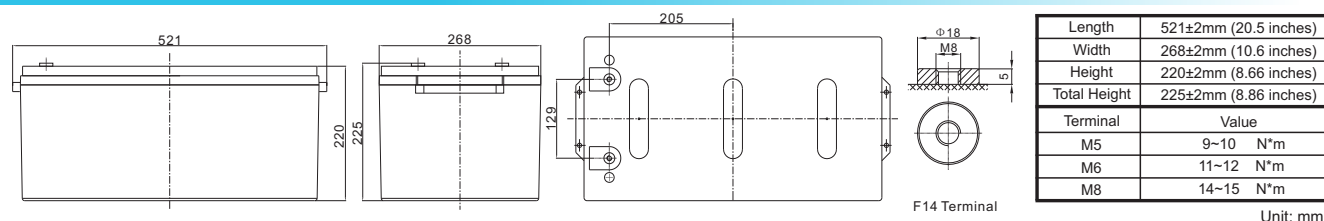
ISO 14001



ISO 45001



Dimensions



Constant Current Discharge Characteristics : A(25°C)

F.V/Time	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.60V	345.2	226.5	141.2	86.3	64.7	51.6	43.3	29.3	24.1	13.5
1.65V	330.0	217.5	136.3	83.5	62.7	50.2	42.2	28.9	23.8	13.3
1.70V	309.1	207.9	131.9	80.8	61.0	48.8	41.1	28.5	23.5	13.2
1.75V	287.7	198.7	127.1	77.9	59.2	47.6	40.0	28.1	23.2	13.0
1.80V	265.6	189.9	122.2	75.2	57.3	46.2	39.0	27.6	22.9	12.9
1.85V	220.4	163.5	109.6	68.9	53.0	43.0	36.4	25.9	21.5	12.2

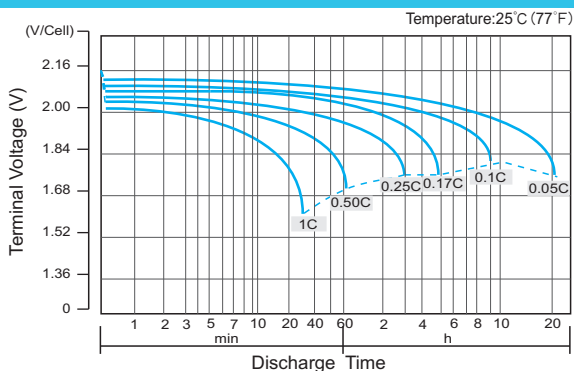
Constant Power Discharge Characteristics : W/Cell (25°C)

F.V/Time	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.60V	603.5	411.4	265.3	163.5	123.5	99.1	83.5	57.2	47.4	26.6
1.65V	580.1	398.4	258.1	159.1	120.5	96.8	81.6	56.5	46.9	26.3
1.70V	556.6	385.3	250.9	154.7	117.5	94.5	79.7	55.9	46.3	26.0
1.75V	525.5	372.1	243.2	150.0	114.4	92.4	78.0	55.2	45.7	25.7
1.80V	492.1	359.2	235.2	145.3	111.3	90.1	76.3	54.4	45.2	25.5
1.85V	414.1	312.5	212.3	133.9	103.4	84.0	71.4	51.2	42.6	24.2

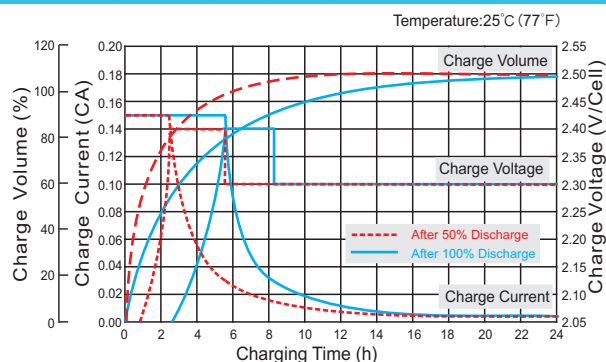
(Note) The above characteristics data are average values obtained within three charge/discharge cycle not the minimum values.
The battery must be fully charged before the capacity test. The C₂₀ should reach 95% after the first cycle and 100% after the third cycle.

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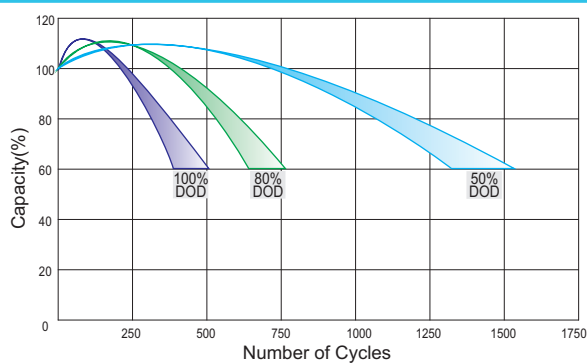
Discharge Characteristics Curve



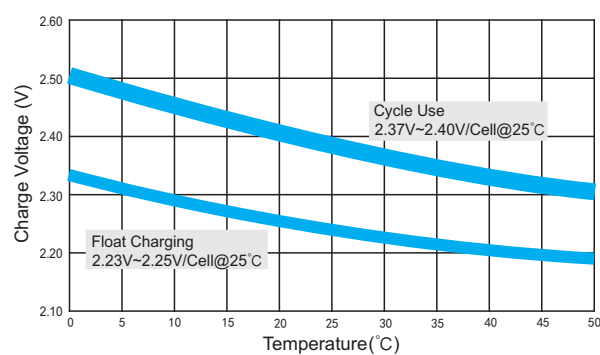
Charge Characteristic Curve for Cycle Use(IUU)



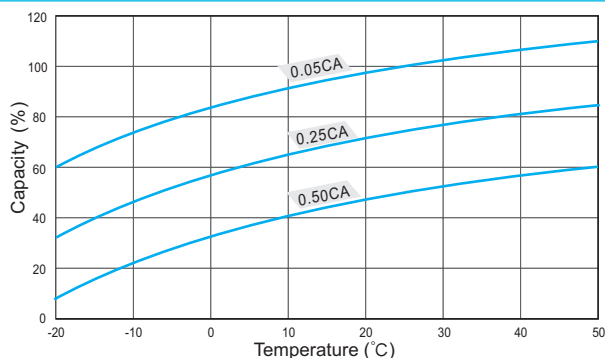
Cycle Life in Relation to Depth of Discharge



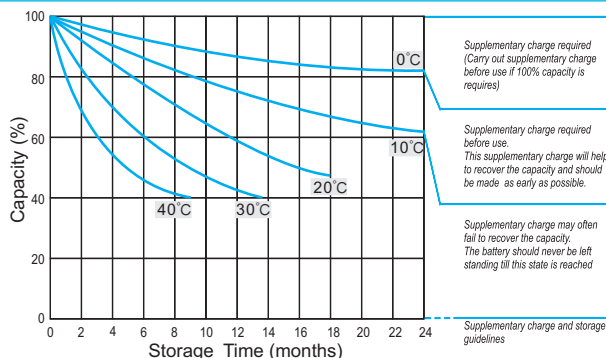
Relationship Between Charging Voltage and Temperature



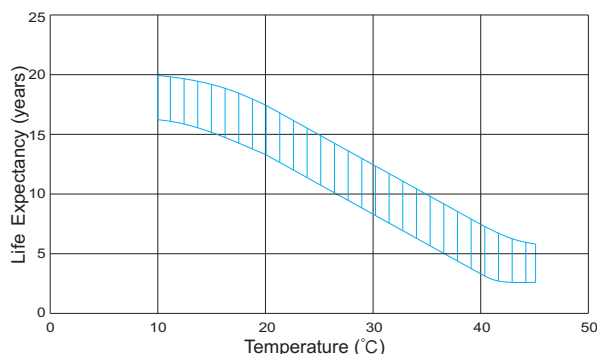
Temperature Effects on Capacity



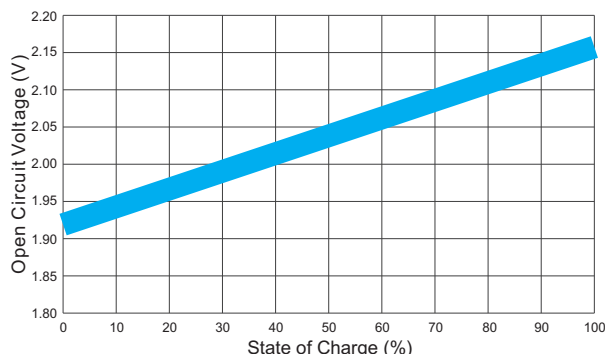
Storage Characteristics



Effect of Temperature on Long Term Life



Relationship of OCV And State of Charge(20°C)



(Note) All above information shall be changed without prior notice, reserves the right to explain and update the latest information.