ROCKET

Global Battery Company,Korea **ES7-12** **12V 7Ah**

The rechargeable batteries are lead-lead dioxide systems. The dilute sulfuric acid electrolyte is absorbed by separators and plates and thus immobilized. Should the battery be accidentally overcharged producing hydrogen and oxygen, special one-way valves allow the gases to escape thus avoiding excessive pressure build-up. Otherwise, the battery is completely sealed and is, therefore, maintenance-free, leak proof and usable in any position.

Battery Construction

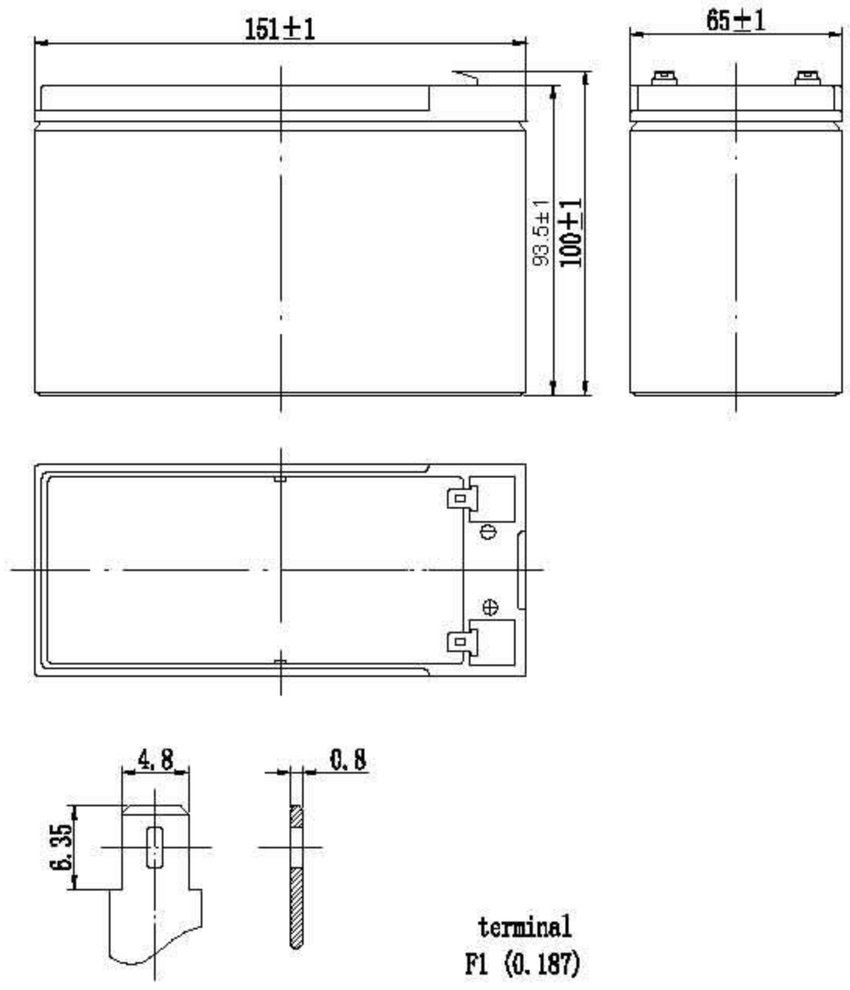
Component	Positive plate	Negative plate	Container	Cover	Safety valve	Terminal	Separator	Electrolyte
Raw material	Lead dioxide	Lead	ABS	ABS	Rubber	Copper	Fiberglass	Sulfuric acid

General Features

- Absorbent Glass Mat (AGM) technology for efficient gas recombination of up to 99% and freedom from electrolyte maintenance or water adding.
- Not restricted for air transport-complies with IATA/ICAO Special Provision A67.
- UL-recognized component.
- Can be mounted in any orientation.
- Computer designed lead, calcium tin alloy grid for high power density.
- Long service life, float or cyclic applications.
- Maintenance-free operation.
- Low self discharge.

Dimensions and Weight

Length(mm / inch) ..... 151 / 5.94
Width(mm / inch) ..... 65 / 2.56
Height(mm / inch) ..... 93.5 / 3.68
Total Height(mm / inch) ..... 100 / 3.94
Approx. Weight(Kg / lbs) ..... 2.32 / 5.12



Performance Characteristics

Nominal Voltage 12V
Number of cell 6
Design Life ..... 3~5 years
Nominal Capacity 77ºF(25ºC)
- 20 hour rate (0.35A, 10.5V) 7Ah
- 10 hour rate (0.68A, 10.5V) 6.8Ah
- 5 hour rate (1.13A, 10.5V) 5.65Ah
- 1 hour rate (4.56A, 9.6V) 4.56Ah

Internal Resistance
- Fully Charged battery 77ºF(25ºC) 28mOhms

Self-Discharge
- 3% of capacity declined per month at 20ºC(average)

Operating Temperature Range
- Discharge ..... -20~60ºC
- Charge ..... -10~60ºC
- Storage ..... -20~60ºC

Max. Discharge Current 77ºF(25ºC) ..... 105A(5s)

Short Circuit Current 350A

Charge Methods: Constant Voltage Charge 77ºF(25ºC)
- Cycle use 14.5-14.9V
  - Maximum charging current 2.8A
  - Temperature compensation ..... -30mV/ºC
- Standby use 13.6-13.8V
  - Temperature compensation ..... -20mV/ºC

Discharge Constant Current (Amperes at 77ºF25ºC)

End Point Volts/Cell	5min	10min	15min	30min	1h	3h	5h	10h	20h
1.60V	29.1	18.4	14.8	8.30	4.56	1.84	1.26	0.70	0.363
1.65V	27.5	17.5	14.2	7.90	4.40	1.80	1.22	0.69	0.359
1.70V	26.0	16.7	13.6	7.62	4.22	1.74	1.17	0.69	0.355
1.75V	24.4	15.7	13.0	7.24	4.04	1.68	1.13	0.68	0.350
1.80V	22.8	14.8	12.4	7.03	3.84	1.63	1.08	0.66	0.344

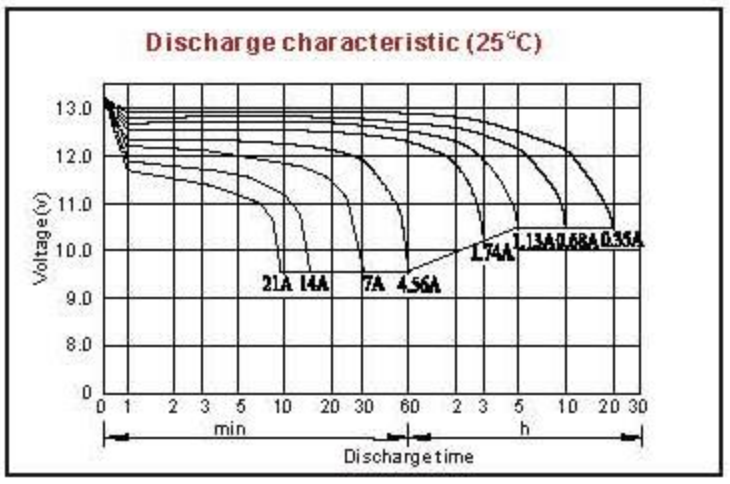
Discharge Constant Power (Watts at 77ºF25ºC)

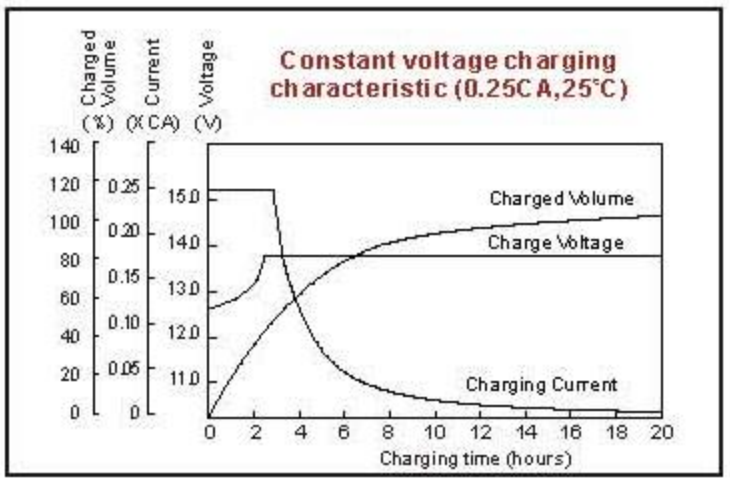
End Point Volts/Cell	5min	10min	15min	30min	45min	1h	2h	3h	5h
1.60V	52.0	35.1	27.5	15.2	11.50	8.97	5.06	3.59	2.33
1.65V	49.4	33.3	26.5	14.6	11.00	8.59	4.94	3.50	2.29
1.70V	46.9	31.6	25.4	14.0	10.50	8.23	4.80	3.40	2.25
1.75V	44.5	29.8	24.3	13.4	10.10	7.99	4.65	3.30	2.21
1.80V	41.6	28.0	23.3	12.9	9.75	7.62	4.50	3.19	2.15

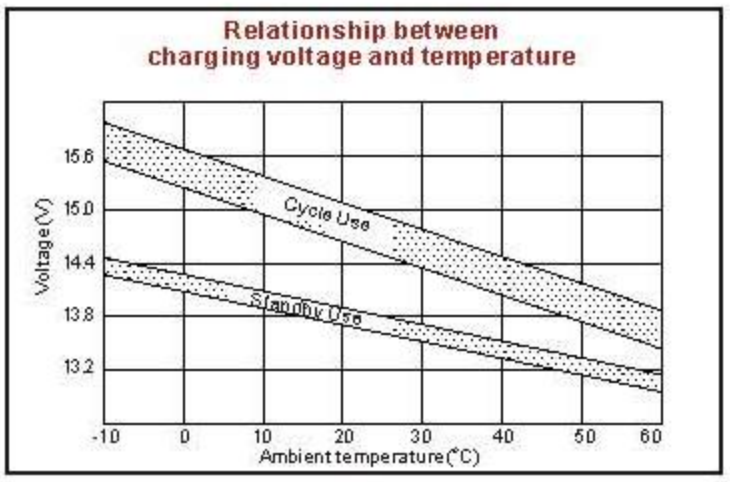
(Note)The above characteristics data are average values obtained within three charge/discharge cycles not the mimimum values.

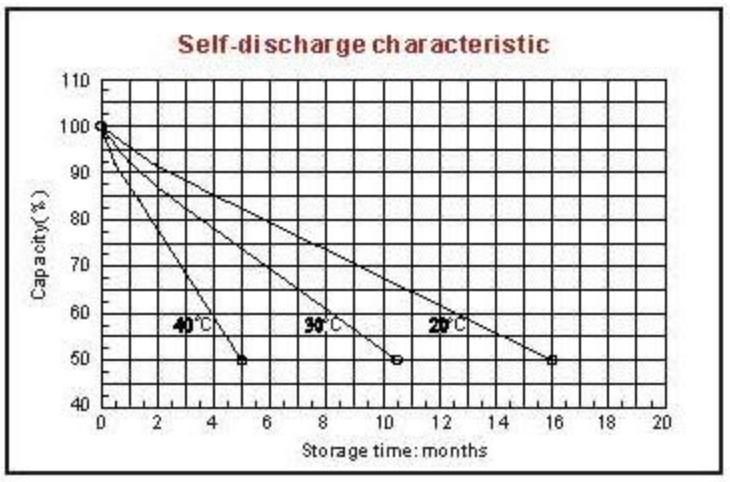
ROCKET

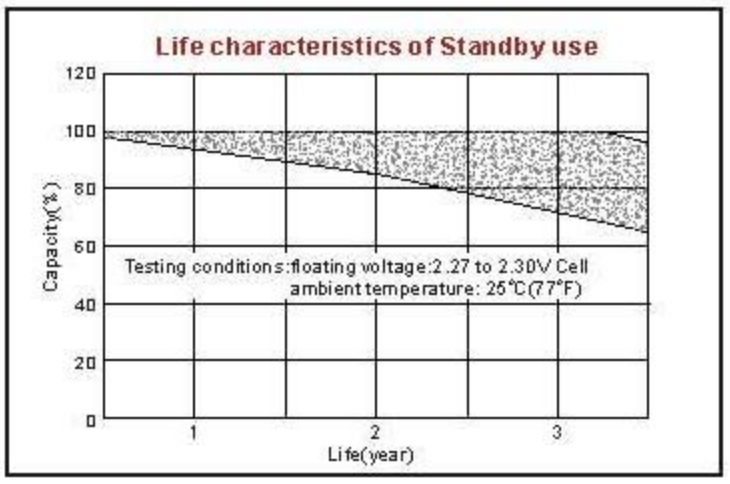
Global Battery Company,Korea **ES7-12** **12V 7Ah**

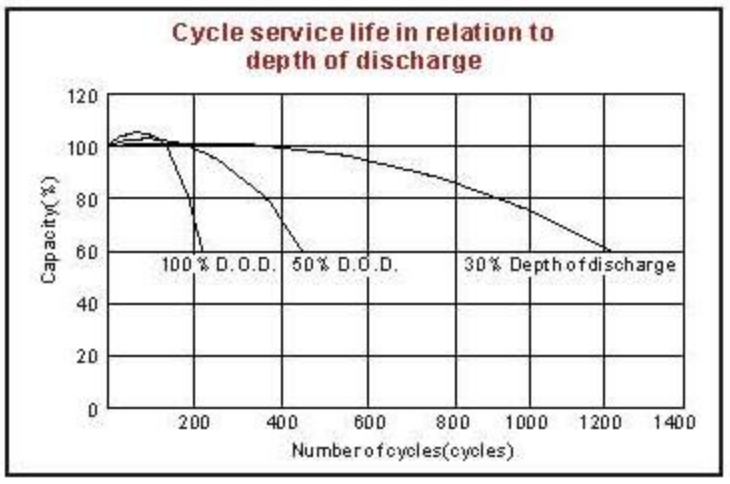


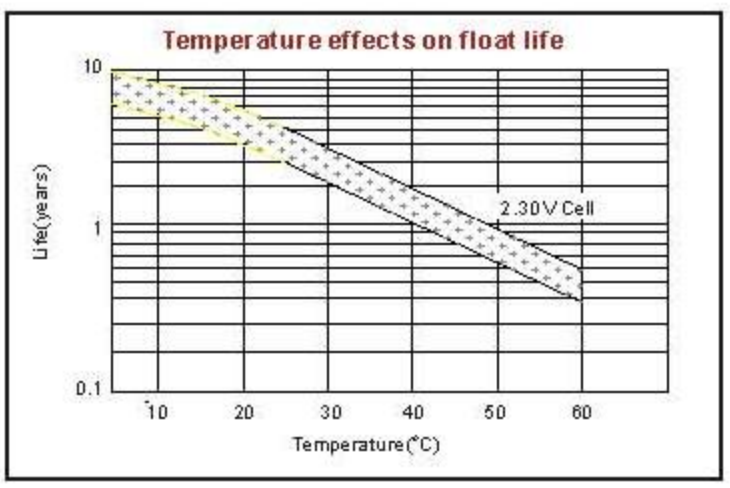


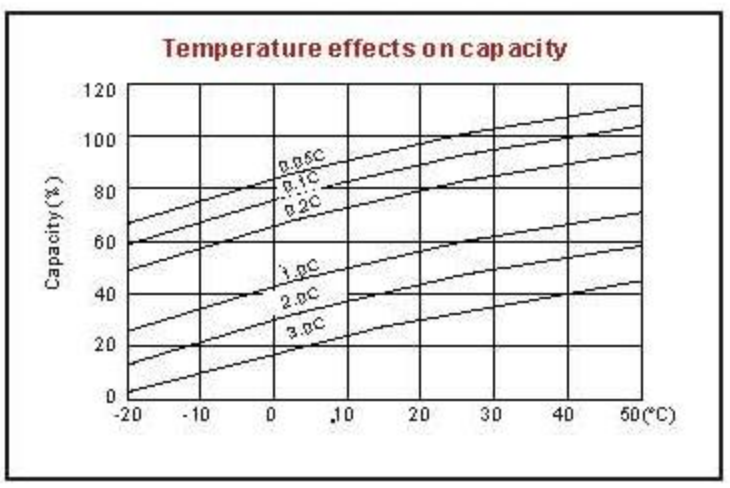












ROCKET

Global Battery Company,Korea **ES12-12** **12V 12Ah**

The rechargeable batteries are lead-lead dioxide systems. The dilute sulfuric acid electrolyte is absorbed by separators and plates and thus immobilized. Should the battery be accidentally overcharged producing hydrogen and oxygen, special one-way valves allow the gases to escape thus avoiding excessive pressure build-up. Otherwise, the battery is completely sealed and is, therefore, maintenance-free, leak proof and usable in any position.

Battery Construction

Component	Positive plate	Negative plate	Container	Cover	Safety valve	Terminal	Separator	Electrolyte
Raw material	Lead dioxide	Lead	ABS	ABS	Rubber	Copper	Fiberglass	Sulfuric acid

General Features

- Absorbent Glass Mat (AGM) technology for efficient gas recombination of up to 99% and freedom from electrolyte maintenance or water adding.
- Not restricted for air transport-complies with IATA/ICAO Special Provision A67.
- UL-recognized component.
- Can be mounted in any orientation.
- Computer designed lead, calcium tin alloy grid for high power density.
- Long service life, float or cyclic applications.
- Maintenance-free operation.
- Low self discharge.

Performance Characteristics

Nominal Voltage 12V
Number of cell 6
Design Life ..... 3~5 years
Nominal Capacity 77ºF(25ºC)
- 20 hour rate (0.6A, 10.5V) 12Ah
- 10 hour rate (1.14A, 10.5V) 11.4Ah
- 5 hour rate (2.05A, 10.5V) 10.25Ah
- 1 hour rate (8.14A, 9.6V) 8.14Ah

Internal Resistance
- Fully Charged battery 77ºF(25ºC) 17mOhms

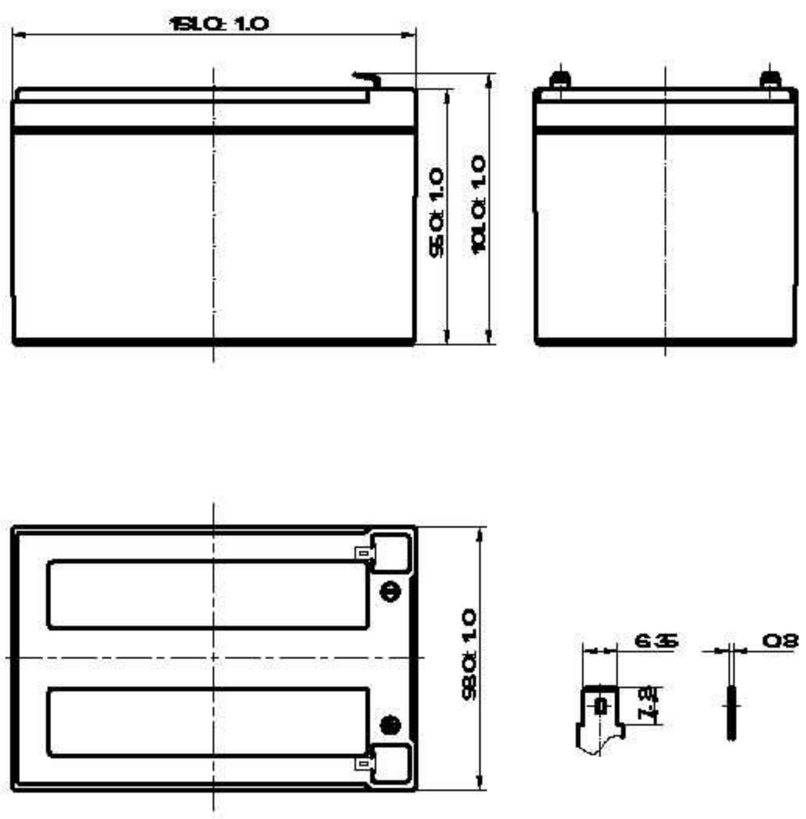
Self-Discharge
- 3% of capacity declined per month at 20ºC(average)

Operating Temperature Range
- Discharge ..... -20~60ºC
- Charge ..... -10~60ºC
- Storage ..... -20~60ºC

Max. Discharge Current 77ºF(25ºC) ..... 180A(5s)
Short Circuit Current 600A
Charge Methods: Constant Voltage Charge 77ºF(25ºC)
- Cycle use 14.5-14.9V
  - Maximum charging current 4.8A
  - Temperature compensation ..... -30mV/ºC
- Standby use 13.6-13.8V
  - Temperature compensation ..... -20mV/ºC

Dimensions and Weight

Length(mm / inch) ..... 151 / 5.94
Width(mm / inch) ..... 98 / 3.86
Height(mm / inch) ..... 95 / 3.74
Total Height(mm / inch) ..... 101 / 3.98
Approx. Weight(Kg / lbs) ..... 3.67 / 8.10



Discharge Constant Current (Amperes at 77ºF25ºC)

End Point Volts/Cell	5min	10min	15min	30min	1h	3h	5h	10h	20h
1.60V	46.4	31.7	24.8	13.8	8.14	3.18	2.12	1.18	0.61
1.65V	45.0	30.8	24.3	13.5	8.04	3.15	2.10	1.17	0.61
1.70V	43.5	29.9	23.7	13.3	7.94	3.12	2.07	1.16	0.61
1.75V	42.1	29.0	23.2	13.0	7.85	3.09	2.05	1.14	0.60
1.80V	40.6	28.2	22.6	12.7	7.75	3.06	2.02	1.12	0.59

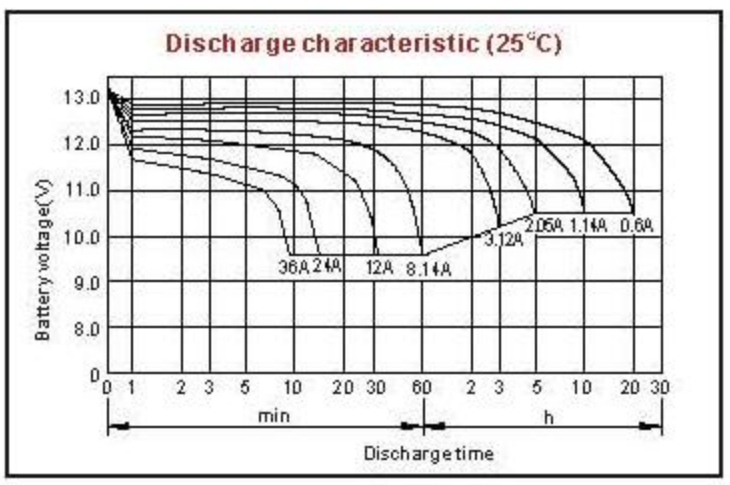
Discharge Constant Power (Watts at 77ºF25ºC)

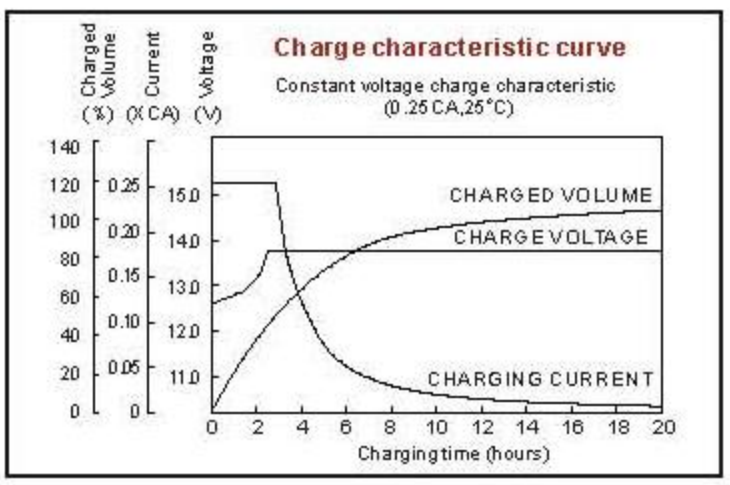
End Point Volts/Cell	5min	10min	15min	30min	45min	1h	2h	3h	5h
1.60V	86.2	58.7	46.7	27.0	20.6	16.1	8.50	6.50	4.20
1.65V	84.1	57.7	46.0	26.6	20.4	16.0	8.42	6.44	4.17
1.70V	81.9	56.6	45.3	26.2	20.1	15.8	8.33	6.37	4.14
1.75V	79.8	55.6	44.6	25.8	19.9	15.7	8.25	6.31	4.11
1.80V	77.6	54.6	43.9	25.4	19.6	15.5	8.16	6.24	4.08

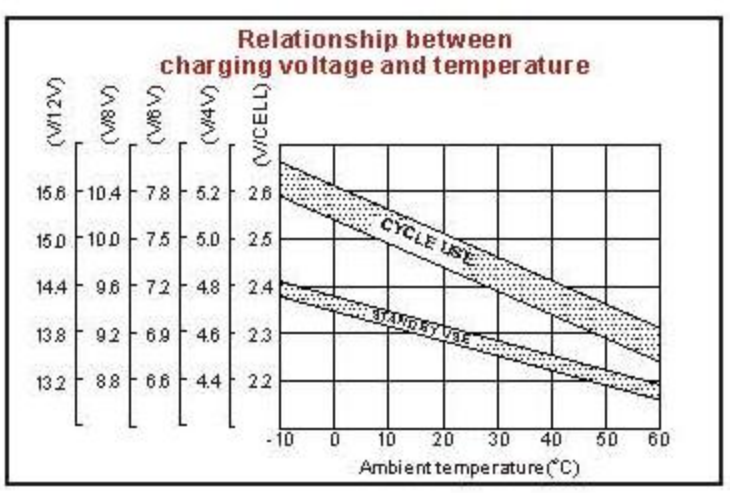
(Note)The above characteristics data are average values obtained within three charge/discharge cycles not the mimimum values.

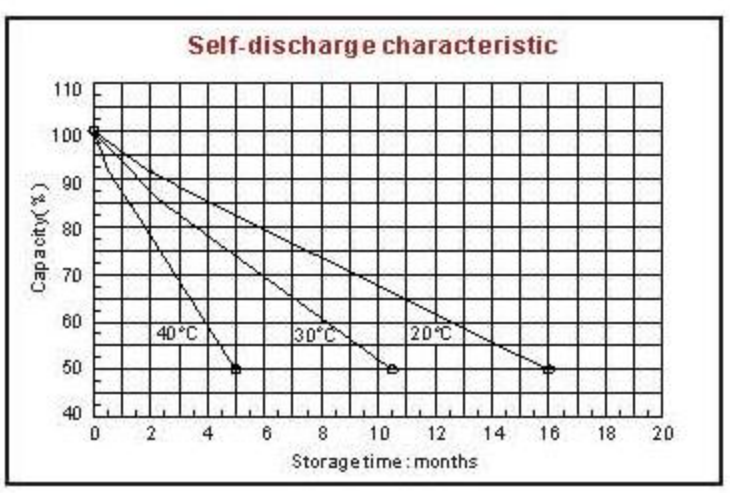
ROCKET

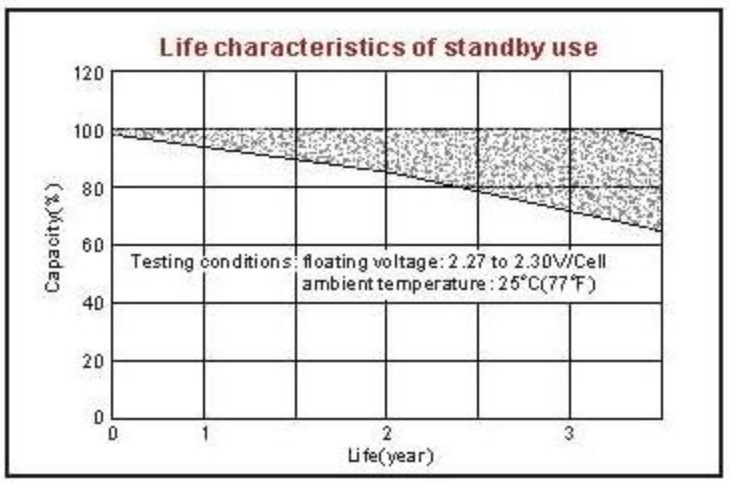
Global Battery Company,Korea **ES12-12** **12V 12Ah**

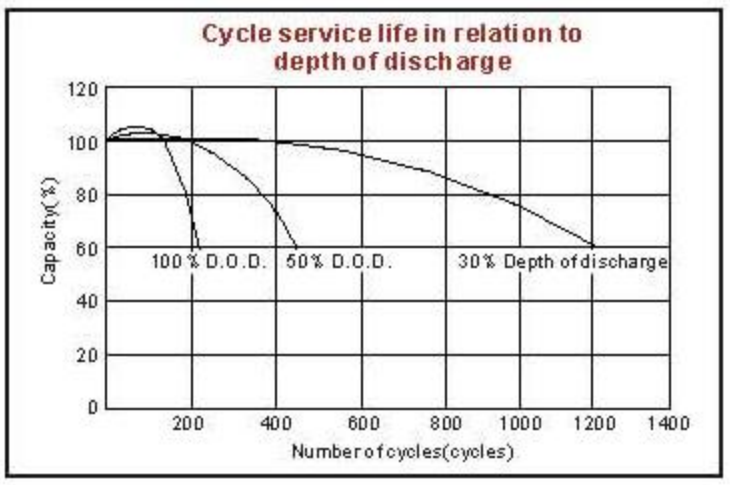


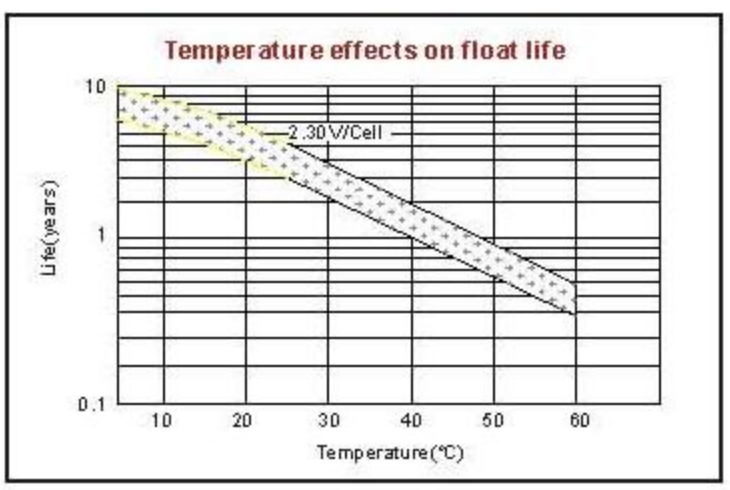


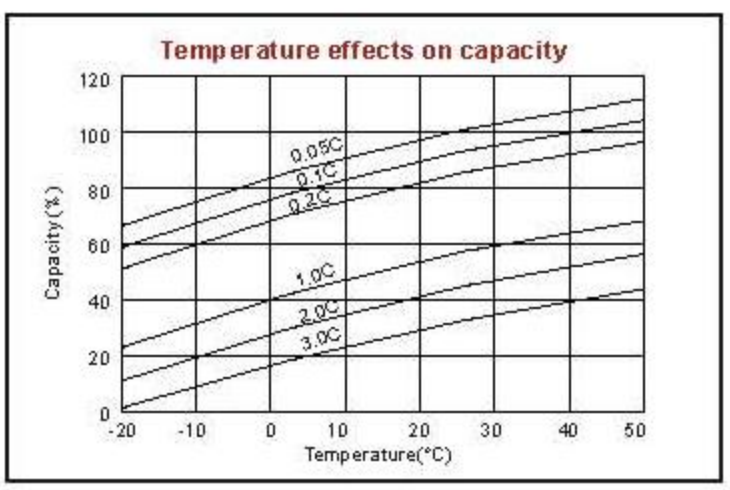












Unlimited Power
ROCKET BATTERY
Since 1952

Global Battery Company, Korea

ES 26-12

12V 26.0Ah

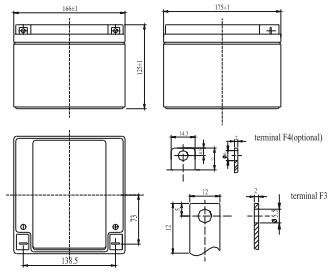
SPECIFICATION

Nominal Voltage		12 V
Capacity(20HR, 25℃)		26Ah
Dimension	Length	166mm (6.54inch)
	Width	175mm (6.89inch)
	Height	125mm (4.92inch)
	Total Height	125mm (4.92inch)
Approx. Weight		8.6kg (18.96lbs)

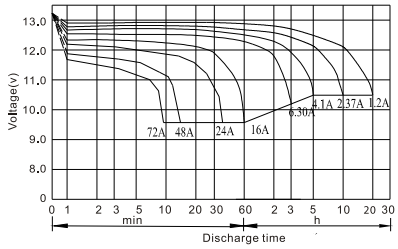
CHARACTERISTICS

Capacity 20℃ (68℉) To 1.70V/Cell	20 hour rate	26 Ah
	10 hour rate	23.7 Ah
	5 hour rate	20.5 Ah
	1 hour rate	16 Ah
Internal resistance(Fully charged, 25℃)		Approx. 12mΩ
Self-discharge (25℃)		3% of capacity declined per month at ℃(average)
Operating Temperature Range	Discharge	-20~60 Deg C
	Charge	- 10 ~ 60 Deg C
	Storage	-20~60 Deg C
Short Circuit Current		1200 A
Float charging voltage (25℃)		13.60 to 13.80V
Cyclic charging voltage (25℃)		14.50 to 14.90V
Maximum charging current		6.5 A
Terminal material		Copper
Maximum discharge current		300 A

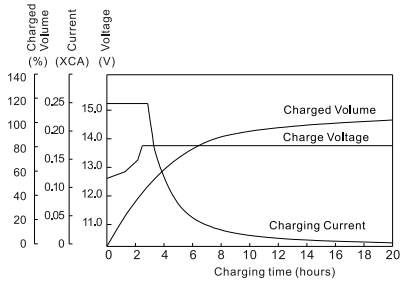
DIMENSION (mm)



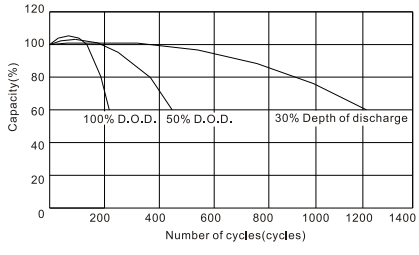
Discharge Characteristic (25°C)



Constant Voltage Charging Characteristic (0.25CA, 25°C)



Cycle Service Life in Relation to Depth of Discharge



DISCHARGE CONSTANT CURRENT (AMPERES AT 77°F25°C)

End Point Volts/Cell	5min	10min	15min	30min	1h	3h	5h	10h	20h
1.60V	95.0	64.0	48.0	28.5	16.0	6.74	4.47	2.52	1.24
1.65V	90.1	60.9	45.9	27.4	15.4	6.53	4.36	2.47	1.23
1.70V	84.9	57.8	43.7	26.2	14.8	6.30	4.24	2.42	1.22
1.75V	79.7	54.5	41.1	24.9	14.2	6.05	4.10	2.37	1.20
1.80V	74.3	51.3	39.1	23.6	13.5	5.78	3.95	2.31	1.18

DISCHARGE CONSTANT POWER (WATTS AT 77°F25°C)

5min	10min	15min	30min	45min	1h	2h	3h	5h
185	121	90.0	55.0	40.0	31.7	19.6	13.4	8.54
173	114	85.1	52.3	38.2	30.3	19.0	13.1	8.39
161	107	80.2	49.4	36.3	28.9	18.3	12.5	8.22
151	99.7	75.2	46.6	34.3	27.5	17.6	12.0	8.03
139	92.7	70.3	43.7	32.3	26.0	16.9	11.4	7.83

(Note)The above characteristics data are average values obtained within three charge/discharge cycles not the minimum values.

ROCKET

Global Battery Company,Korea **ES42-12** **12V 42Ah**

The rechargeable batteries are lead-lead dioxide systems. The dilute sulfuric acid electrolyte is absorbed by separators and plates and thus immobilized. Should the battery be accidentally overcharged producing hydrogen and oxygen, special one-way valves allow the gases to escape thus avoiding excessive pressure build-up. Otherwise, the battery is completely sealed and is, therefore, maintenance-free, leak proof and usable in any position.

Battery Construction

Component	Positive plate	Negative plate	Container	Cover	Safety valve	Terminal	Separator	Electrolyte
Raw material	Lead dioxide	Lead	ABS	ABS	Rubber	Copper	Fiberglass	Sulfuric acid

General Features

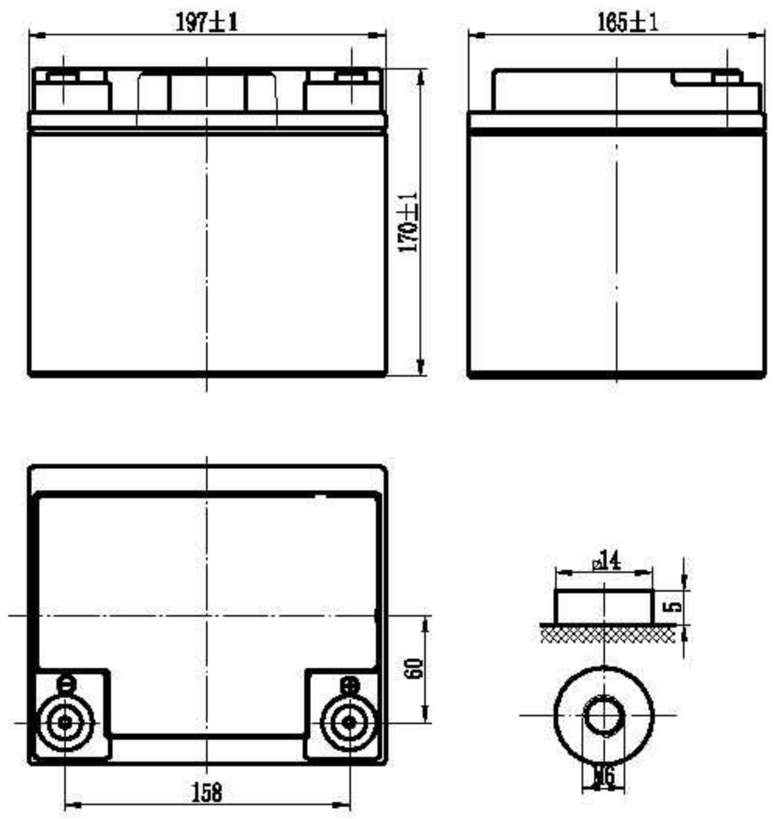
- Absorbent Glass Mat (AGM) technology for efficient gas recombination of up to 99% and freedom from electrolyte maintenance or water adding.
- Not restricted for air transport-complies with IATA/ICAO Special Provision A67.
- UL-recognized component.
- Can be mounted in any orientation.
- Computer designed lead, calcium tin alloy grid for high power density.
- Long service life, float or cyclic applications.
- Maintenance-free operation.
- Low self discharge.

Performance Characteristics

Nominal Voltage 12V
Number of cell 6
Design Life ..... 10 years
Nominal Capacity 77ºF(25ºC)
  10 hour rate (4.0A, 10.5V) 40Ah
  5 hour rate (6.97A, 10.5V) 34.85Ah
  1 hour rate (25.0A, 9.6V) 25Ah
Internal Resistance
  Fully Charged battery 77ºF(25ºC) 9.5mOhms
Self-Discharge
  3% of capacity declined per month at 20ºC(average)
Operating Temperature Range
  Discharge ..... -20~60ºC
  Charge ..... -10~60ºC
  Storage ..... -20~60ºC
Max. Discharge Current 77ºF(25ºC) ..... 400A(5s)
Short Circuit Current 900A
Charge Methods: Constant Voltage Charge 77ºF(25ºC)
  Cycle use 14.4-14.7V
    Maximum charging current 12A
    Temperature compensation ..... -30mV/ºC
  Standby use 13.6-13.8V
    Temperature compensation ..... -20mV/ºC

Dimensions and Weight

Length(mm / inch) ..... 197 / 7.76
Width(mm / inch) ..... 165 / 6.50
Height(mm / inch) ..... 170 / 6.69
Total Height(mm / inch) ..... 170 / 6.69
Approx. Weight(Kg / lbs) ..... 12.9 / 28.4



Discharge Constant Current (Amperes at 77ºF25ºC)

End Point Volts/Cell	5min	10min	15min	30min	1h	3h	5h	10h
1.60V	128	86.5	70.2	40.0	25.0	10.4	7.38	4.15
1.65V	119	82.2	67.1	38.7	24.6	10.2	7.24	4.10
1.70V	110	77.9	64.1	37.4	24.3	9.98	7.11	4.05
1.75V	101	73.6	61.0	36.1	23.9	9.75	6.97	4.00
1.80V	92	69.3	58.0	34.8	23.6	9.53	6.84	3.95

Discharge Constant Power (Watts at 77ºF25ºC)

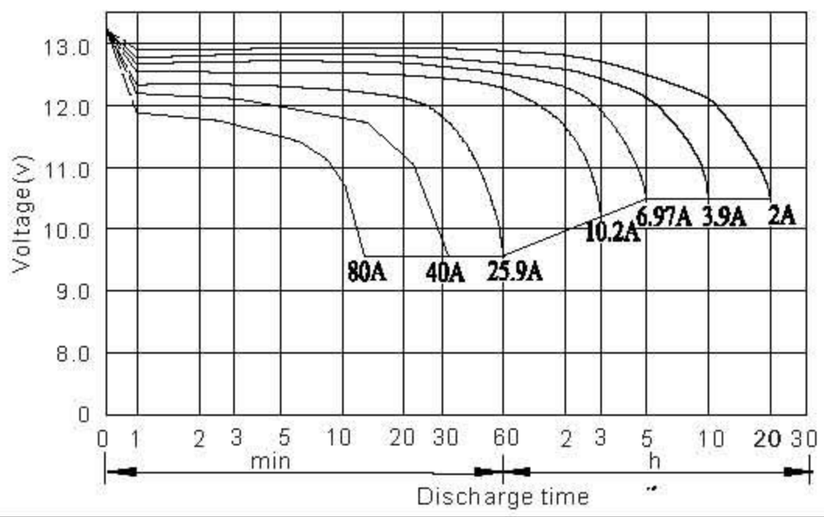
End Point Volts/Cell	5min	10min	15min	30min	45min	1h	3h	5h
1.60V	230	158	124	81.2	60.2	50.4	21.4	14.4
1.65V	214	152	120	78.8	59.0	49.7	21.1	14.2
1.70V	198	144	117	76.3	57.8	48.8	20.7	14.0
1.75V	182	138	113	73.8	56.6	48.0	20.4	13.8
1.80V	171	130	109	71.3	55.4	47.2	20.0	13.7

(Note)The above characteristics data are average values obtained within three charge/discharge cycles not the mimimum values.

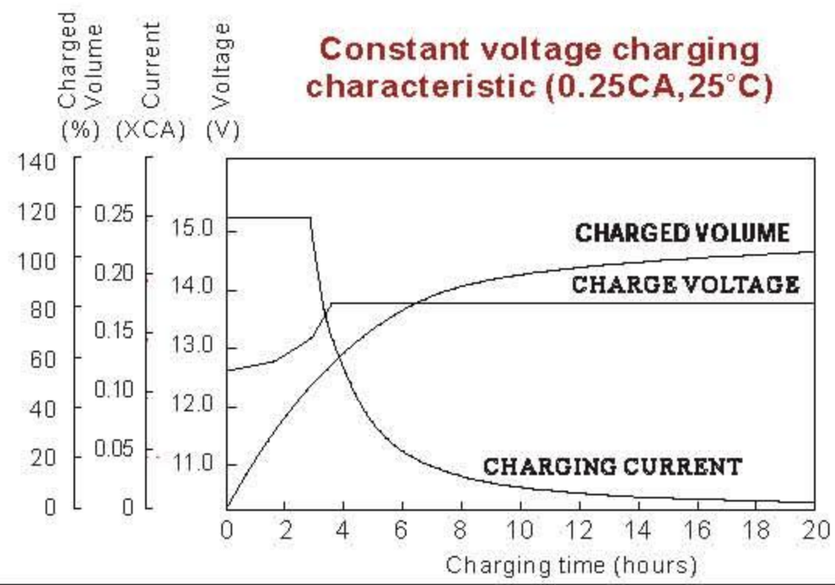
ROCKET

Global Battery Company,Korea **ES42-12** 12V 42Ah

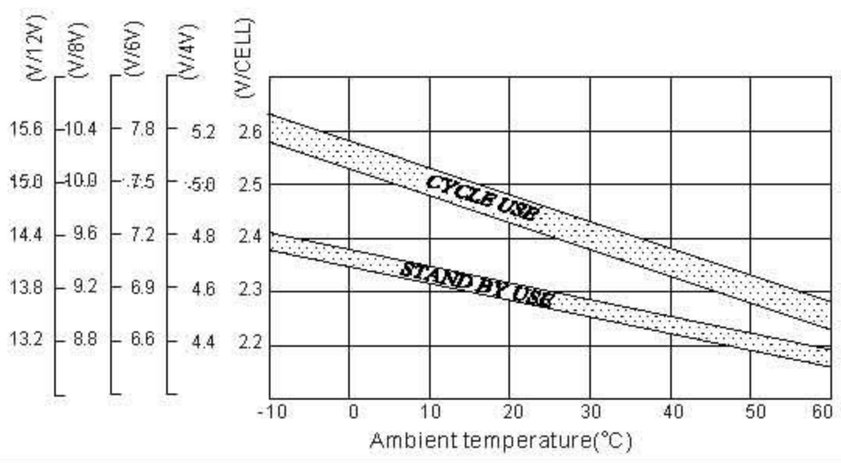
Discharge characteristic (25°C)



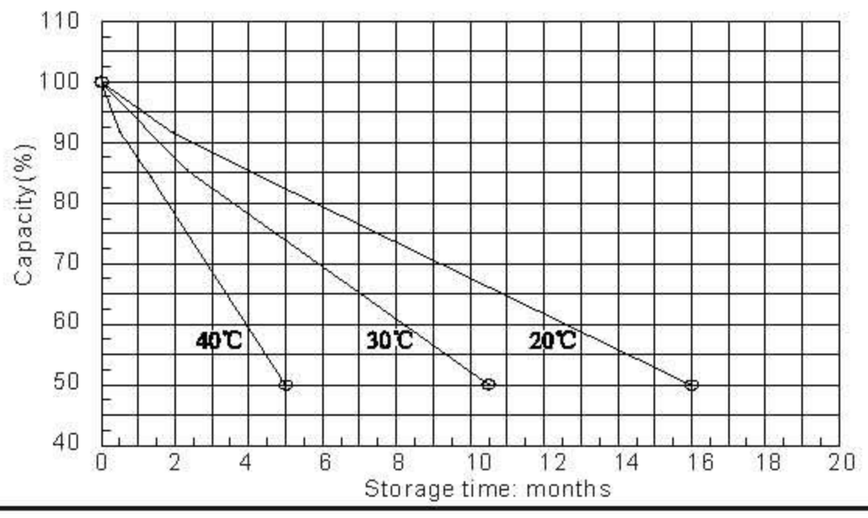
Constant voltage charging characteristic (0.25CA,25°C)



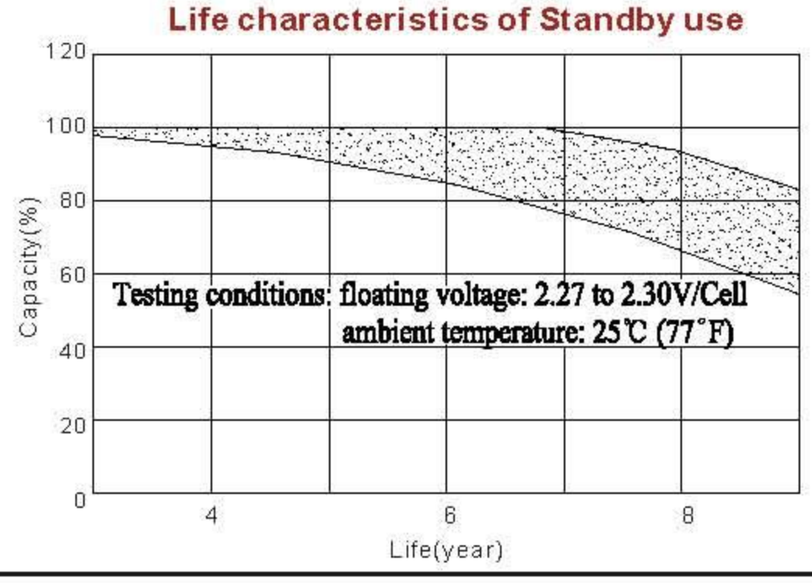
Relationship between charging voltage and temperature



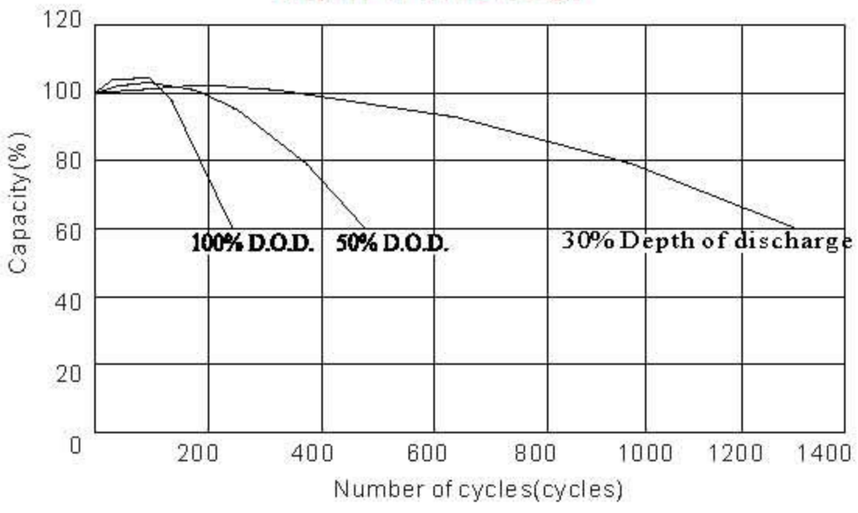
Self-discharge characteristic



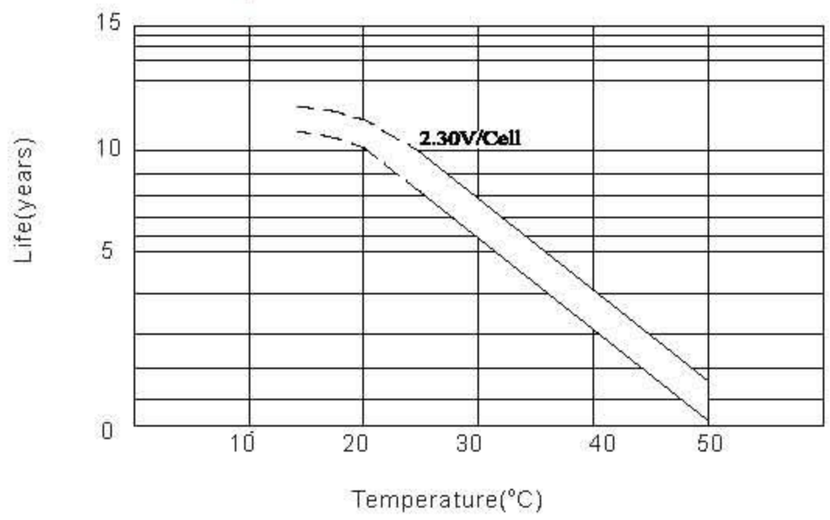
Life characteristics of Standby use



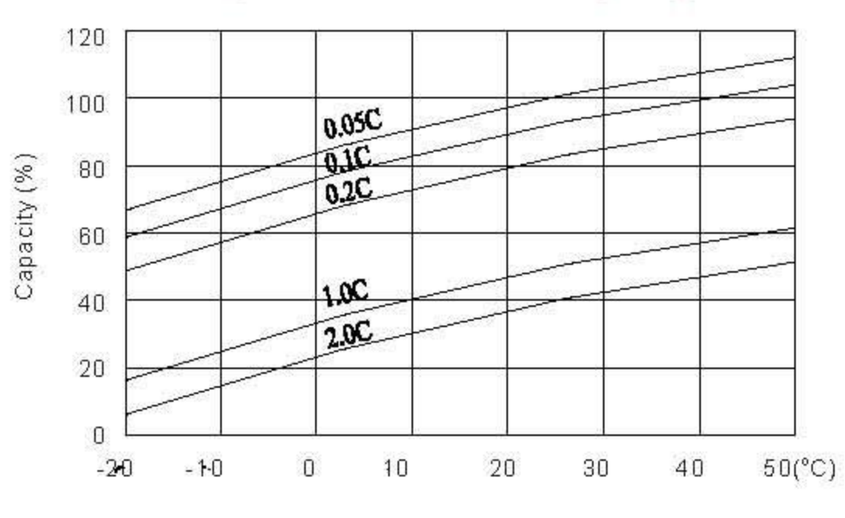
Cycle service life in relation to depth of discharge



Temperature effects on float life



Temperature effects on capacity



ROCKET

Global Battery Company,Korea **ES65-12** **12V 65Ah**

The rechargeable batteries are lead-lead dioxide systems. The dilute sulfuric acid electrolyte is absorbed by separators and plates and thus immobilized. Should the battery be accidentally overcharged producing hydrogen and oxygen, special one-way valves allow the gases to escape thus avoiding excessive pressure build-up. Otherwise, the battery is completely sealed and is, therefore, maintenance-free, leak proof and usable in any position.

Battery Construction

Component	Positive plate	Negative plate	Container	Cover	Safety valve	Terminal	Separator	Electrolyte
Raw material	Lead dioxide	Lead	ABS	ABS	Rubber	Copper	Fiberglass	Sulfuric acid

General Features

- Absorbent Glass Mat (AGM) technology for efficient gas recombination of up to 99% and freedom from electrolyte maintenance or water adding.
- Not restricted for air transport-complies with IATA/ICAO Special Provision A67.
- UL-recognized component.
- Can be mounted in any orientation.
- Computer designed lead, calcium tin alloy grid for high power density.
- Long service life, float or cyclic applications.
- Maintenance-free operation.
- Low self discharge.

Performance Characteristics

Nominal Voltage 12V
Number of cell 6
Design Life ..... 10 years
Nominal Capacity 77ºF(25ºC)
- 20 hour rate (3.25A, 10.5V) 65Ah
- 10 hour rate (6.1A, 10.5V) 61Ah
- 5 hour rate (10.9A, 10.5V) 54.5Ah
- 1 hour rate (44.2A, 9.6V) 44.2Ah

Internal Resistance
- Fully Charged battery 77ºF(25ºC) 6mOhms

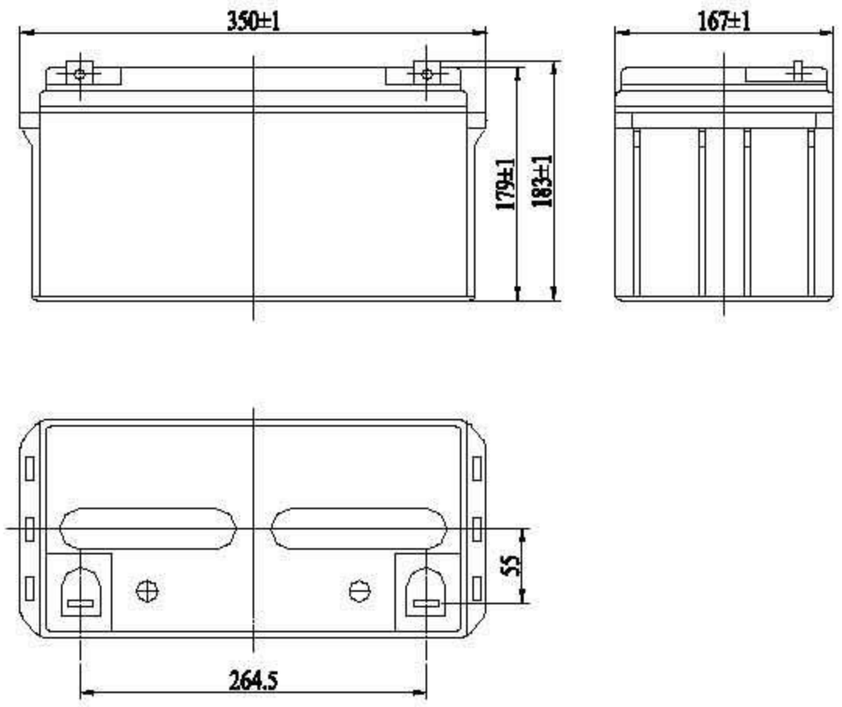
Self-Discharge
- 3% of capacity declined per month at 20ºC(average)

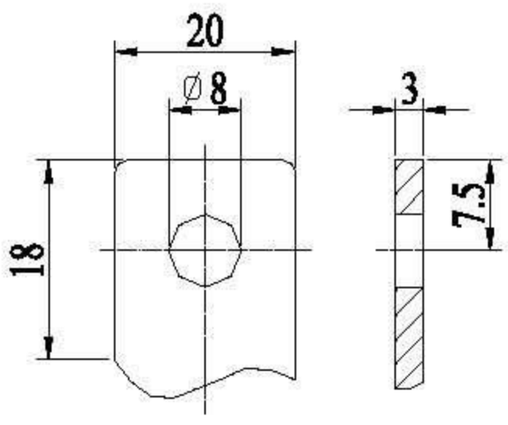
Operating Temperature Range
- Discharge ..... -20~60ºC
- Charge ..... -10~60ºC
- Storage ..... -20~60ºC

Max. Discharge Current 77ºF(25ºC) ..... 650A(5s)
Short Circuit Current 1700A
Charge Methods: Constant Voltage Charge 77ºF(25ºC)
- Cycle use 14.4-14.7V
  - Maximum charging current 19.5A
  - Temperature compensation ..... -30mV/ºC
- Standby use 13.6-13.8V
  - Temperature compensation ..... -20mV/ºC

Dimensions and Weight

Length(mm / inch) ..... 350 / 13.78
Width(mm / inch) ..... 167 / 6.57
Height(mm / inch) ..... 179 / 7.05
Total Height(mm / inch) ..... 183 / 7.20
Approx. Weight(Kg / lbs) ..... 22.4 / 49.4





Discharge Constant Current (Amperes at 77ºF25ºC)

End Point Volts/Cell	5min	10min	15min	30min	1h	3h	5h	10h	20h
1.60V	207	154	121	68.4	43.1	16.9	11.5	6.41	3.37
1.65V	196	149	116	66.3	42.0	16.5	11.2	6.31	3.34
1.70V	184	138	110	64.3	41.0	16.1	11.0	6.18	3.30
1.75V	172	127	104	62.2	39.9	15.7	10.8	6.04	3.25
1.80V	159	116	96.5	59.9	39.0	15.4	10.6	5.94	3.20

Discharge Constant Power (Watts at 77ºF25ºC)

End Point Volts/Cell	5min	10min	15min	30min	45min	1h	2h	3h	5h
1.60V	368	272	197	119	95.1	78.8	47.5	33.8	22.5
1.65V	346	258	193	118	93.6	77.0	46.5	33.1	22.3
1.70V	325	243	190	117	91.7	75.3	45.5	32.4	21.8
1.75V	304	229	186	114	89.6	73.5	44.5	31.8	21.6
1.80V	292	212	177	112	87.3	72.7	43.3	31.1	21.4

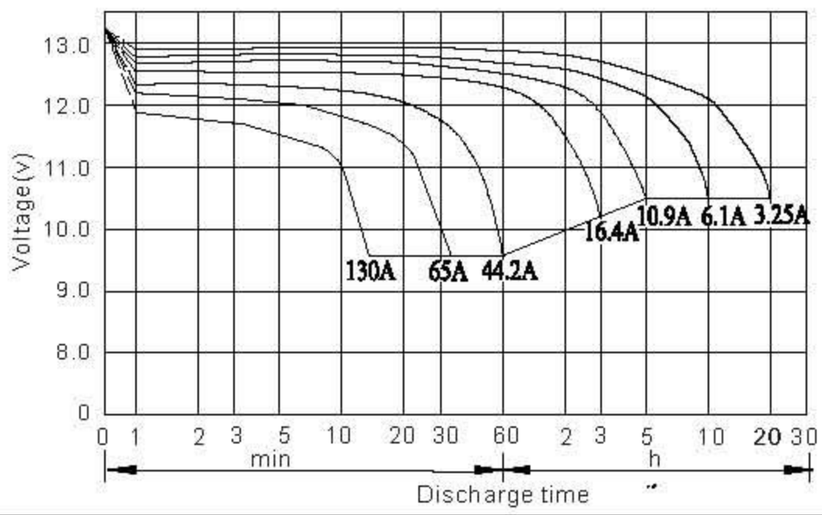
(Note)The above characteristics data are average values obtained within three charge/discharge cycles not the mimimum values.

ROCKET

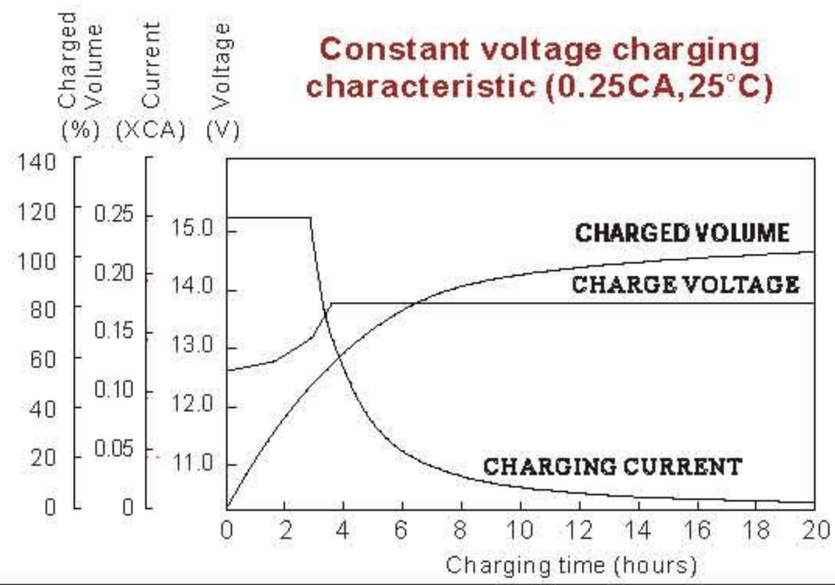
Global Battery Company,Korea

ES65-12 12V 65Ah

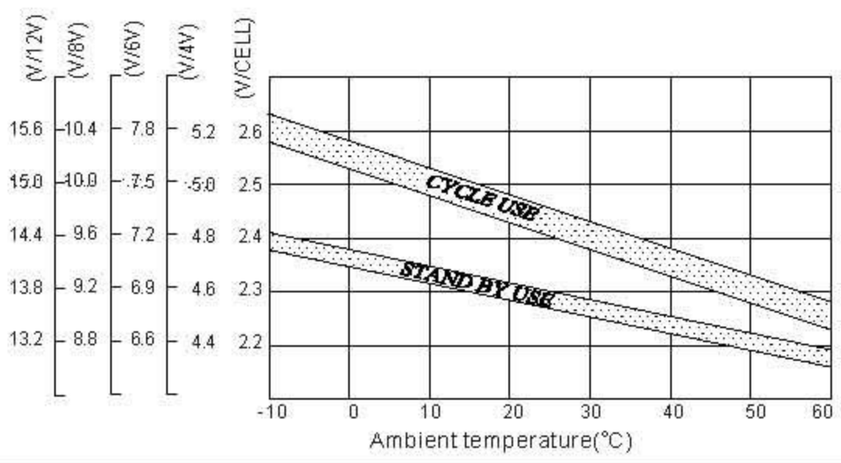
Discharge characteristic (25°C)



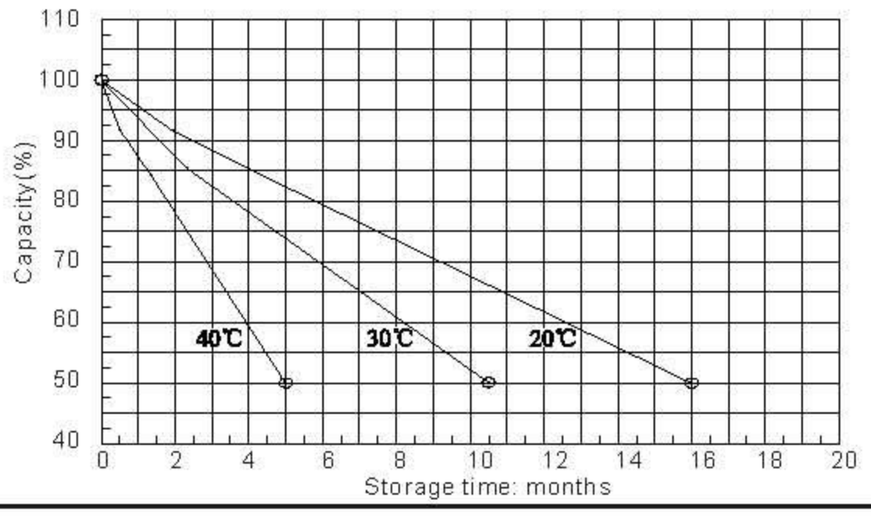
Constant voltage charging characteristic (0.25CA,25°C)



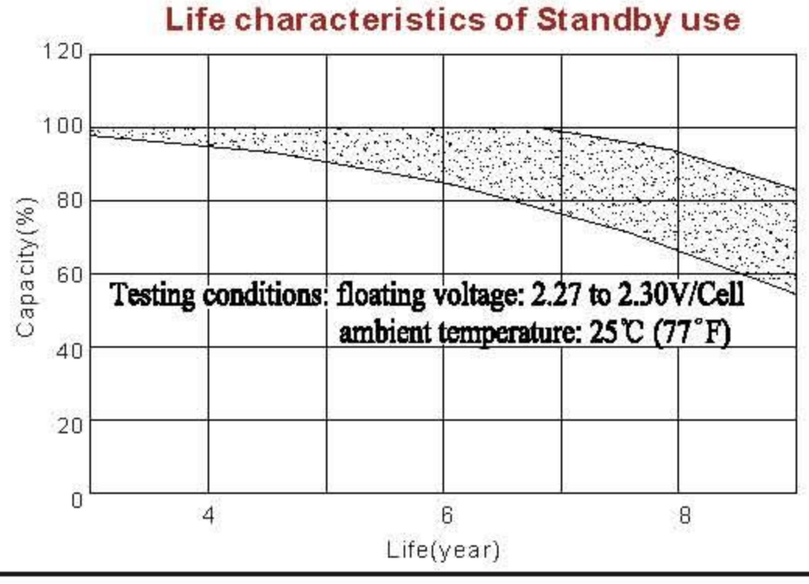
Relationship between charging voltage and temperature



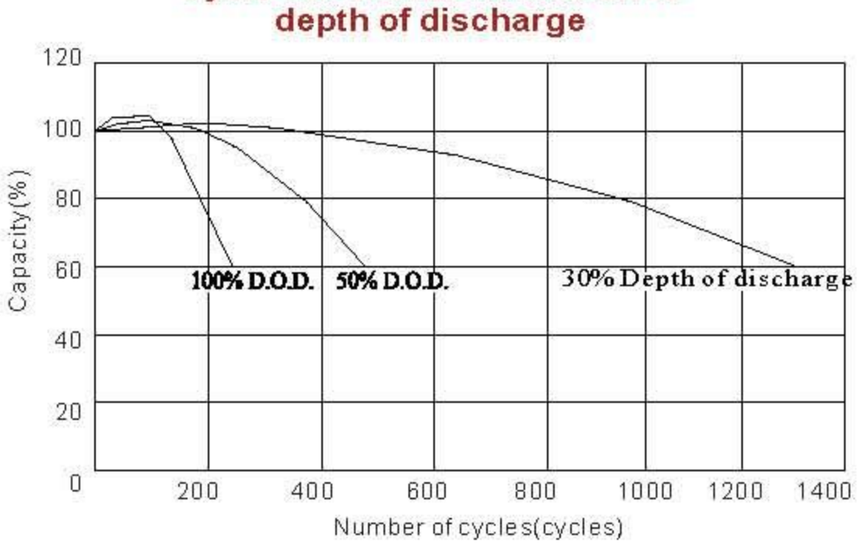
Self-discharge characteristic



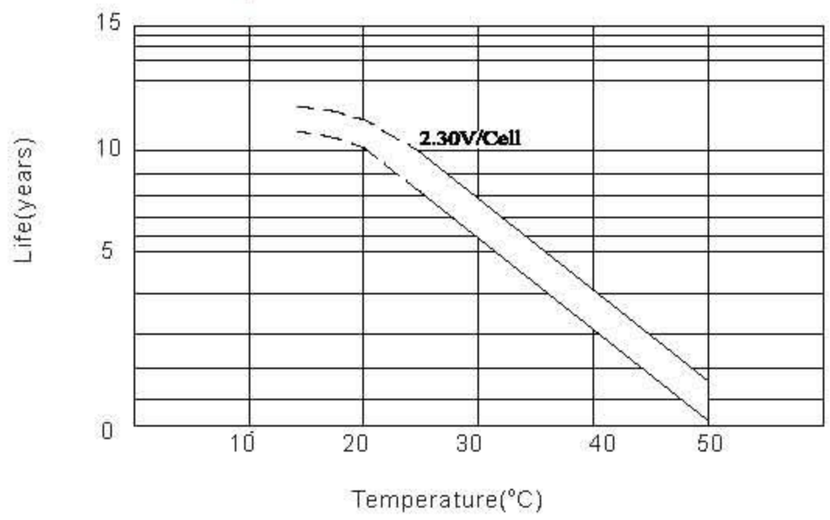
Life characteristics of Standby use



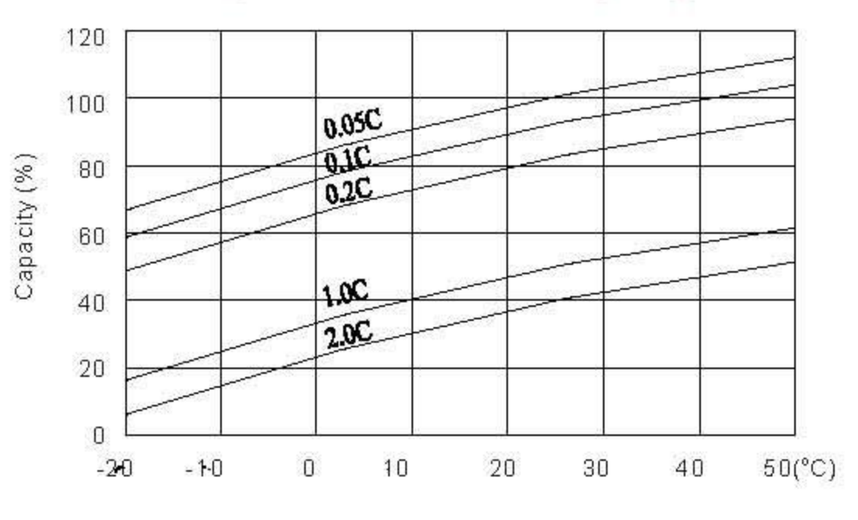
Cycle service life in relation to depth of discharge



Temperature effects on float life



Temperature effects on capacity



ROCKET

Global Battery Company,Korea **ESC100-12** *12V 100Ah*

The rechargeable batteries are lead-lead dioxide systems. The dilute sulfuric acid electrolyte is absorbed by separators and plates and thus immobilized. Should the battery be accidentally overcharged producing hydrogen and oxygen, special one-way valves allow the gases to escape thus avoiding excessive pressure build-up. Otherwise, the battery is completely sealed and is, therefore, maintenance-free, leak proof and usable in any position.

Battery Construction

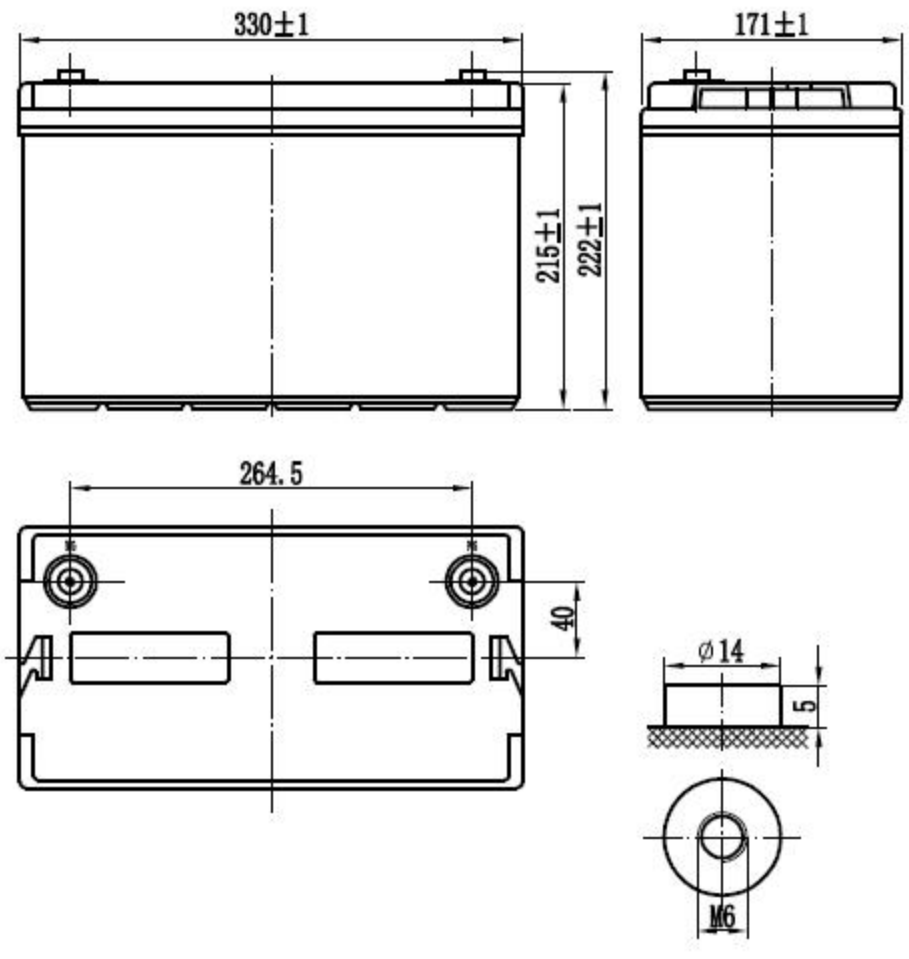
Component	Positive plate	Negative plate	Container	Cover	Safety valve	Terminal	Separator	Electrolyte
Raw material	Lead dioxide	Lead	ABS	ABS	Rubber	Copper	Fiberglass	Sulfuric acid

General Features

- Absorbent Glass Mat (AGM) technology for efficient gas recombination of up to 99% and freedom from electrolyte maintenance or water adding.
- Not restricted for air transport-complies with IATA/ICAO Special Provision A67.
- UL-recognized component.
- Can be mounted in any orientation.
- Computer designed lead, calcium tin alloy grid for high power density.
- Long service life, float or cyclic applications.
- Maintenance-free operation.
- Low self discharge.

Dimensions and Weight

Length(mm / inch) ..... 330 / 12.99
Width(mm / inch) ..... 171 / 6.73
Height(mm / inch) ..... 214 / 8.43
Total Height(mm / inch) ..... 220 / 8.66
Approx. Weight(Kg / lbs) ..... 30 / 66.2



Performance Characteristics

Nominal Voltage 12V
Number of cell 6
Design Life ..... 10 years
Nominal Capacity 77°F(25°C)
- 10 hour rate (5A, 10.5V) 100Ah
- 10 hour rate (9.6A, 10.5V) 96Ah
- 5 hour rate (18.1A, 10.5V) 90.5Ah
- 1 hour rate (69A, 9.6V) 69Ah

Internal Resistance
- Fully Charged battery 77°F(25°C) 4.2mOhms

Self-Discharge
- 3% of capacity declined per month at 20°C(average)

Operating Temperature Range
- Discharge ..... -20~60°C
- Charge ..... -10~60°C
- Storage ..... -20~60°C

Max. Discharge Current 77°F(25°C) ..... 900A(5s)

Short Circuit Current 2100A

Charge Methods: Constant Voltage Charge 77°F(25°C)
- Cycle use 14.4-14.7V
  - Maximum charging current 30A
  - Temperature compensation ..... -30mV/°C
- Standby use 13.6-13.8V
  - Temperature compensation ..... -20mV/°C

Discharge Constant Current (Amperes at 77°F25°C)

End Poin Volts/Cel	10min	15min	30min	1h	3h	5h	10h
1.60V	209	179	108	69.0	29.4	18.4	10.3
1.65V	202	177	107	67.9	29.1	18.3	10.2
1.70V	195	174	106	66.9	28.8	18.2	10.1
1.75V	189	171	105	65.9	28.5	18.1	10.0
1.80V	182	166	102	64.8	28.1	18.0	9.9

Discharge Constant Power (Watts at 77°F25°C)

End Point Volts/Cell	10min	15min	30min	45min	1h	3h	5h
1.60V	345	325	210	155	121	56.0	34.8
1.65V	339	320	208	154	120	55.7	34.7
1.70V	333	314	206	153	119	54.9	34.5
1.75V	329	307	204	152	118	54.6	34.3
1.80V	323	300	200	150	117	53.8	34.1

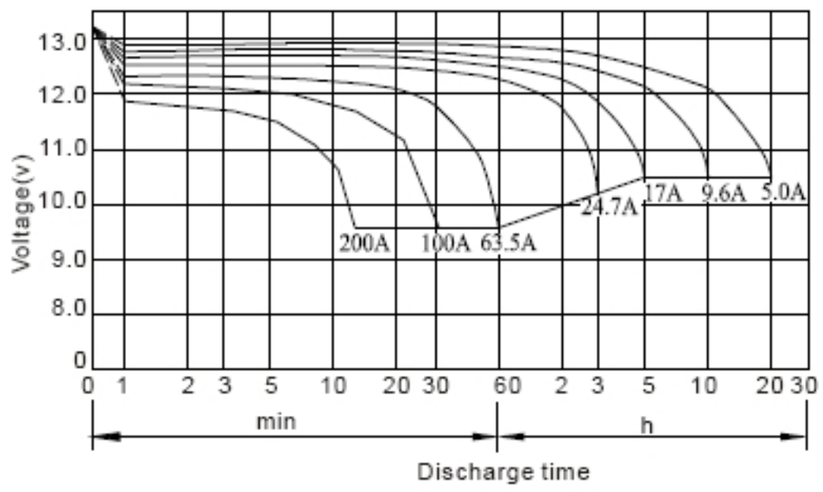
(Note)The above characteristics data are average values obtained within three charge/discharge cycles not the mimimum values.

ROCKET

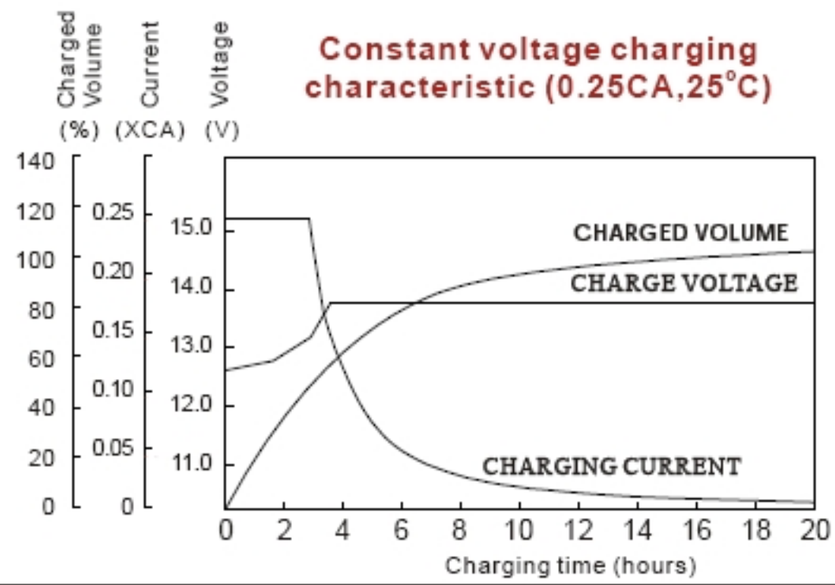
Global Battery Company,Korea

ESC100-12 *12V 100Ah*

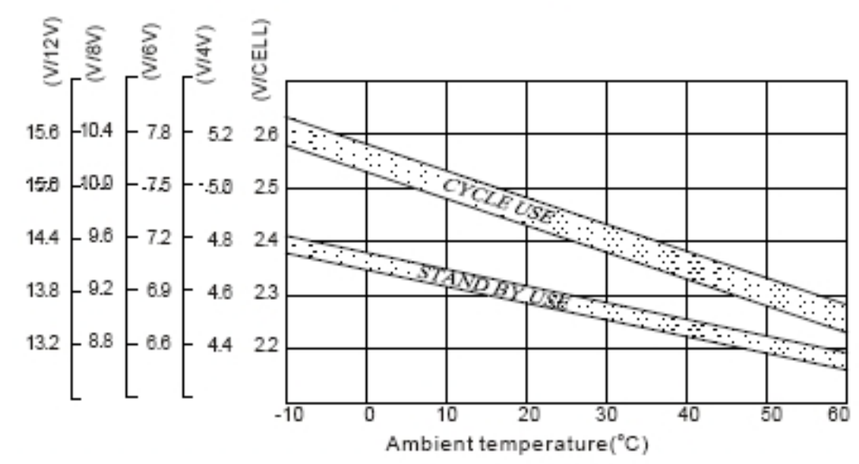
Discharge characteristic (25°C)



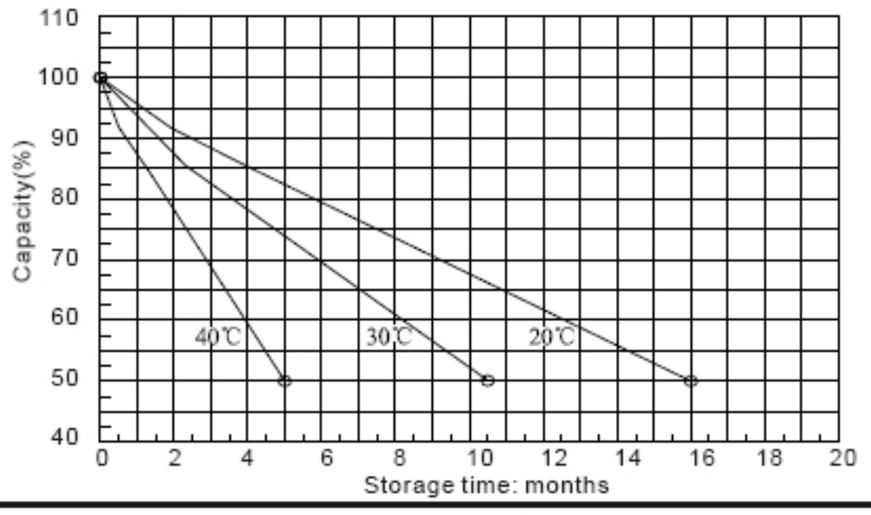
Constant voltage charging characteristic (0.25CA,25°C)



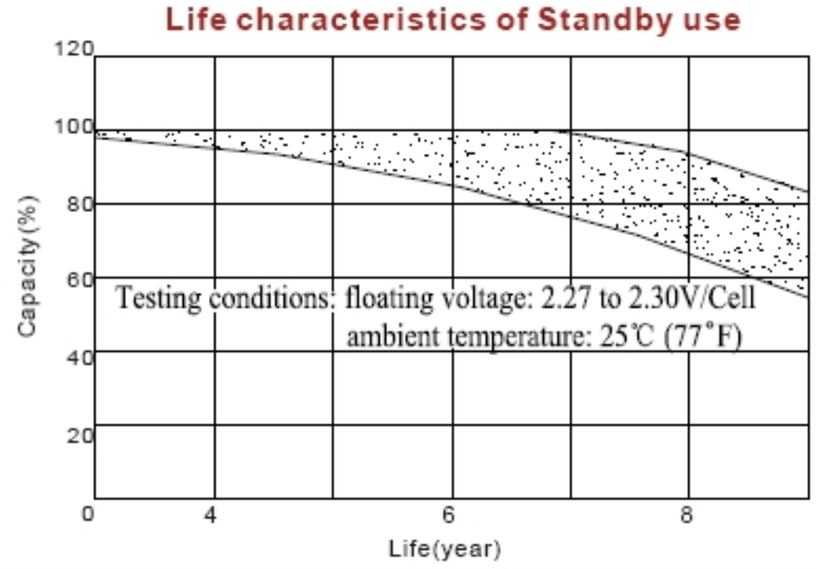
Relationship between charging voltage and temperature



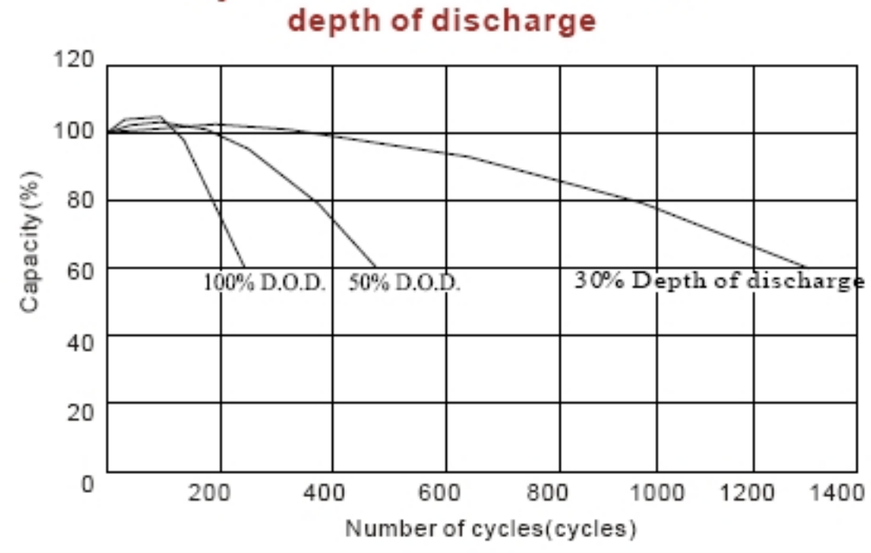
Self-discharge characteristic



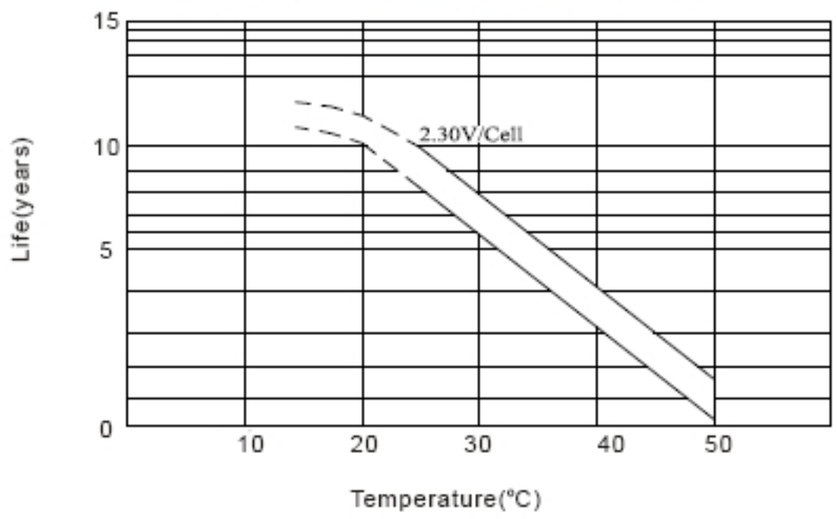
Life characteristics of Standby use



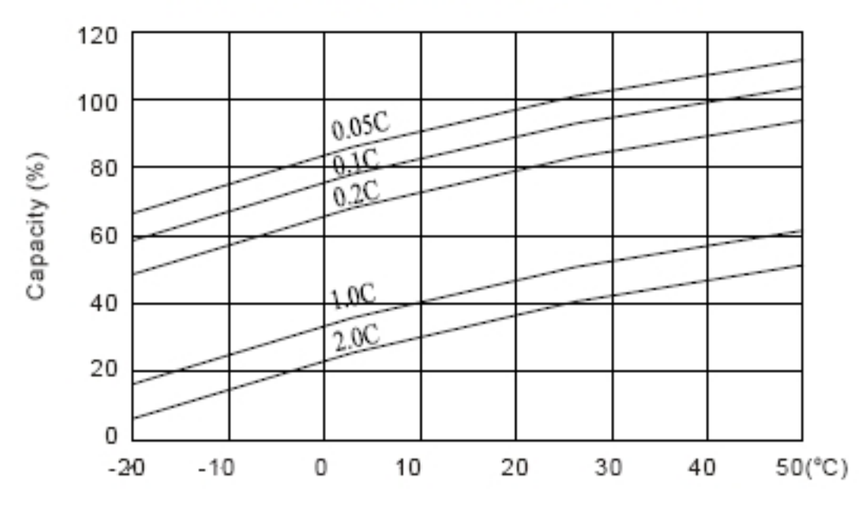
Cycle service life in relation to depth of discharge



Temperature effects on float life



Temperature effects on capacity



ROCKET

Global Battery Company,Korea **ESC150-12** ***12V 150Ah(20hr)***

The rechargeable batteries are lead-lead dioxide systems. The dilute sulfuric acid electrolyte is absorbed by separators and plates and thus immobilized. Should the battery be accidentally overcharged producing hydrogen and oxygen, special one-way valves allow the gases to escape thus avoiding excessive pressure build-up. Otherwise, the battery is completely sealed and is, therefore, maintenance-free, leak proof and usable in any position.

Battery Construction

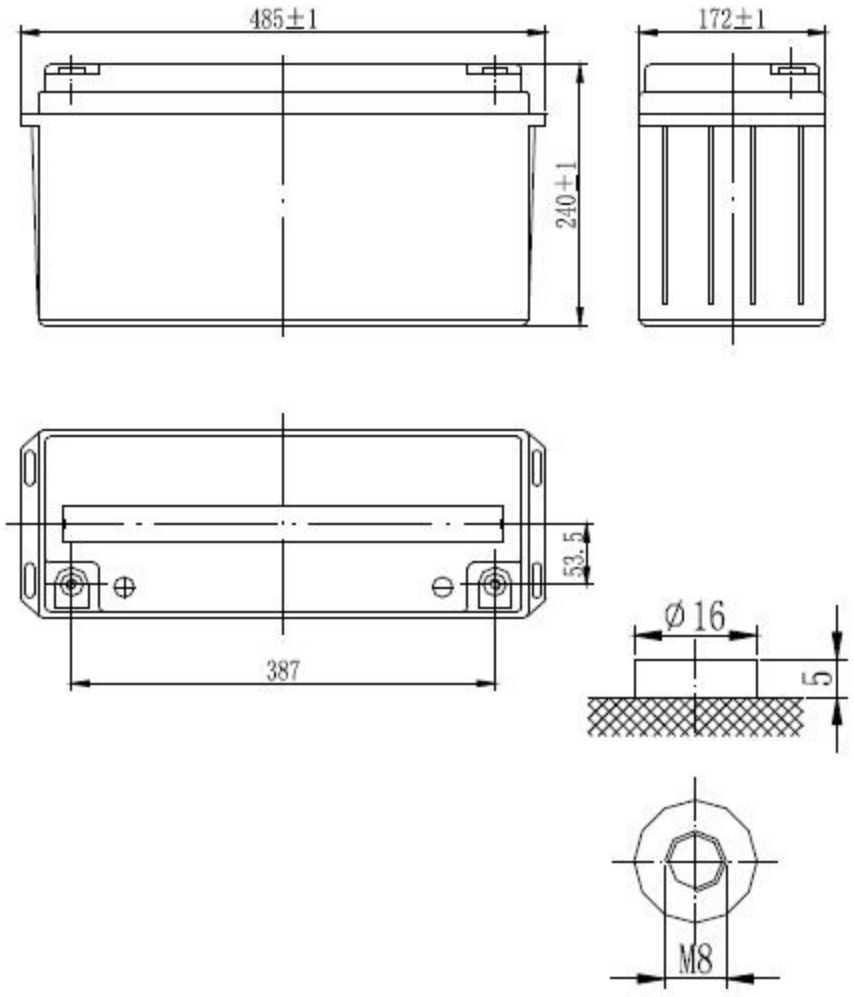
Component	Positive plate	Negative plate	Container	Cover	Safety valve	Terminal	Separator	Electrolyte
Raw material	Lead dioxide	Lead	ABS	ABS	Rubber	Copper	Fiberglass	Sulfuric acid

General Features

- Absorbent Glass Mat (AGM) technology for efficient gas recombination of up to 99% and freedom from electrolyte maintenance or water adding.
- Not restricted for air transport-complies with IATA/ICAO Special Provision A67.
- UL-recognized component.
- Can be mounted in any orientation.
- Computer designed lead, calcium tin alloy grid for high power density.
- Long service life, float or cyclic applications.
- Maintenance-free operation.
- Low self discharge.

Dimensions and Weight

Length(mm / inch) ..... 485 / 19.09
Width(mm / inch) ..... 172 / 6.77
Height(mm / inch) ..... 240 / 9.45
Total Height(mm / inch) ..... 240 / 9.45
Approx. Weight(Kg / lbs) ..... 47 / 103.6



Performance Characteristics

Nominal Voltage 12V
Number of cell 6
Design Life ..... 10 years
Nominal Capacity 77°F(25°C)
- 20 hour rate (7.5A, 10.5V) 150Ah
- 10 hour rate (14.7A, 10.5V) 147Ah
- 5 hour rate (26.5A, 10.5V) 132.5Ah
- 1 hour rate (102A, 9.6V) 102Ah

Internal Resistance
- Fully Charged battery 77°F(25°C) 3.5mOhms

Self-Discharge
- 3% of capacity declined per month at 20°C(average)

Operating Temperature Range
- Discharge ..... -20~60°C
- Charge ..... -10~60°C
- Storage ..... -20~60°C

Max. Discharge Current 77°F(25°C) ..... 1000A(5s)
Short Circuit Current 2800A

Charge Methods: Constant Voltage Charge 77°F(25°C)
- Cycle use 14.4-14.7V
  - Maximum charging current 45A
  - Temperature compensation ..... -30mV/°C
- Standby use 13.6-13.8V
  - Temperature compensation ..... -20mV/°C

Discharge Constant Current (Amperes at 77°F25°C)

End Point Volts/Cell	5min	10min	15min	30min	1h	3h	5h	10h	20h
1.60V	450	351	285	165	102	41.2	28.0	15.2	7.77
1.65V	419	330	270	160	100	40.3	27.6	15.1	7.70
1.70V	388	309	256	155	98	39.5	27.1	14.9	7.61
1.75V	356	289	242	149	95	38.6	26.5	14.7	7.50
1.80V	320	266	228	146	92	37.5	26.0	14.4	7.38

Discharge Constant Power (Watts at 77°F25°C)

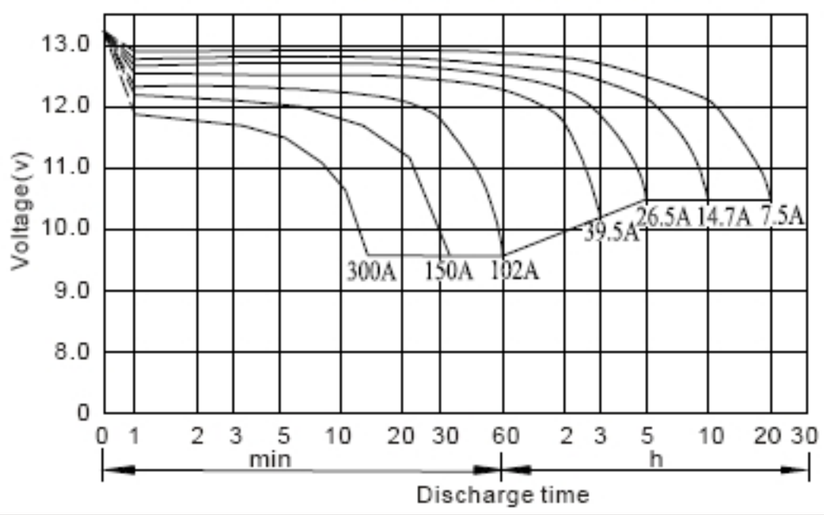
End Point Volts/Cell	5min	10min	15min	30min	45min	1h	2h	3h	5h
1.60V	765	609	501	325	221	201	112	78.0	53.5
1.65V	734	579	483	315	216	198	110	77.1	53.2
1.70V	686	548	465	306	211	195	108	76.2	52.8
1.75V	638	519	446	296	206	190	106	75.3	52.5
1.80V	591	487	425	286	202	184	105	74.0	52.0

ROCKET

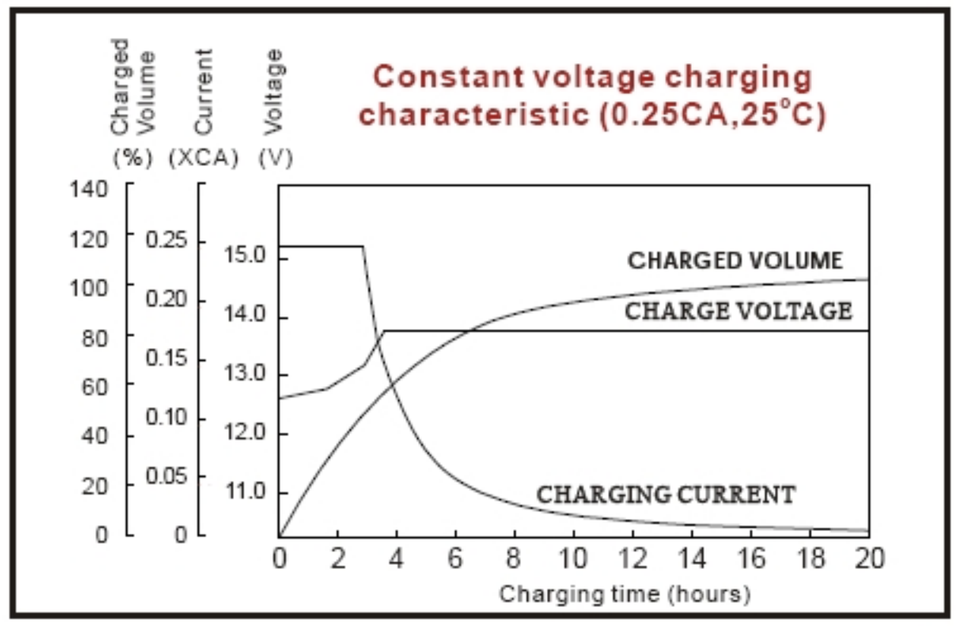
Global Battery Company,Korea

ESC150-12 *12V 150Ah(20hr)*

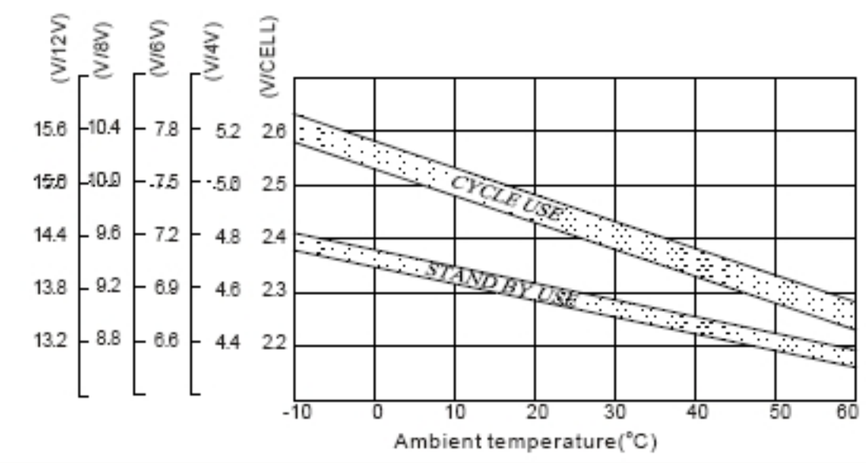
Discharge characteristic (25°C)



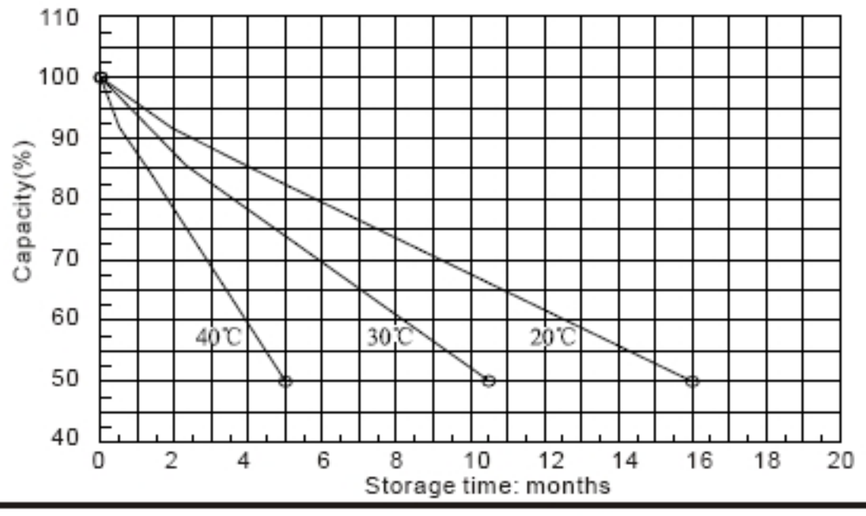
Constant voltage charging characteristic (0.25CA,25°C)



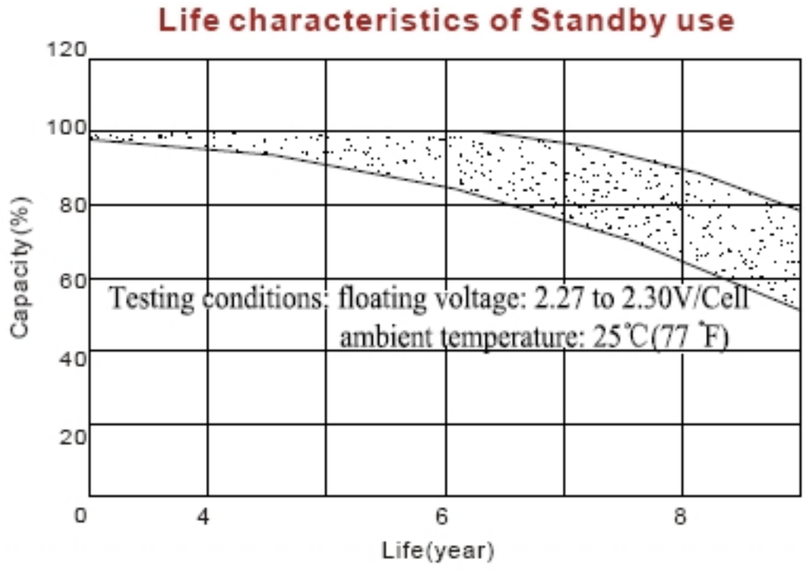
Relationship between charging voltage and temperature



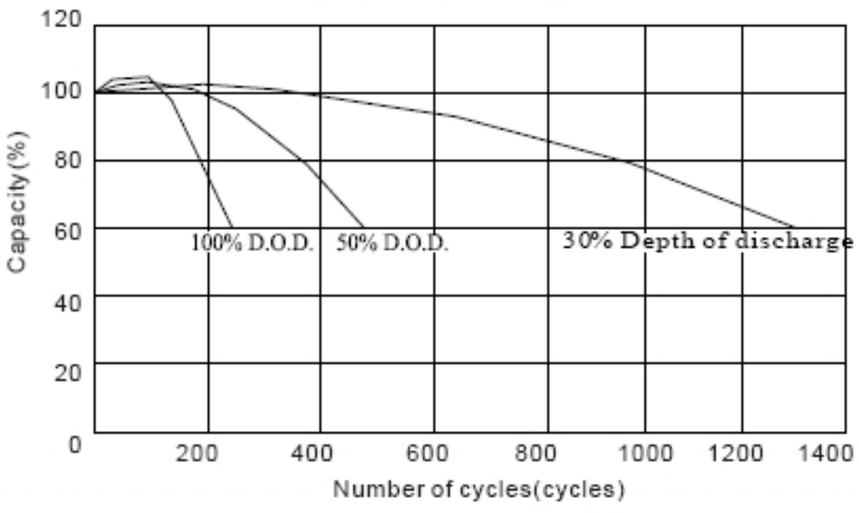
Self-discharge characteristic



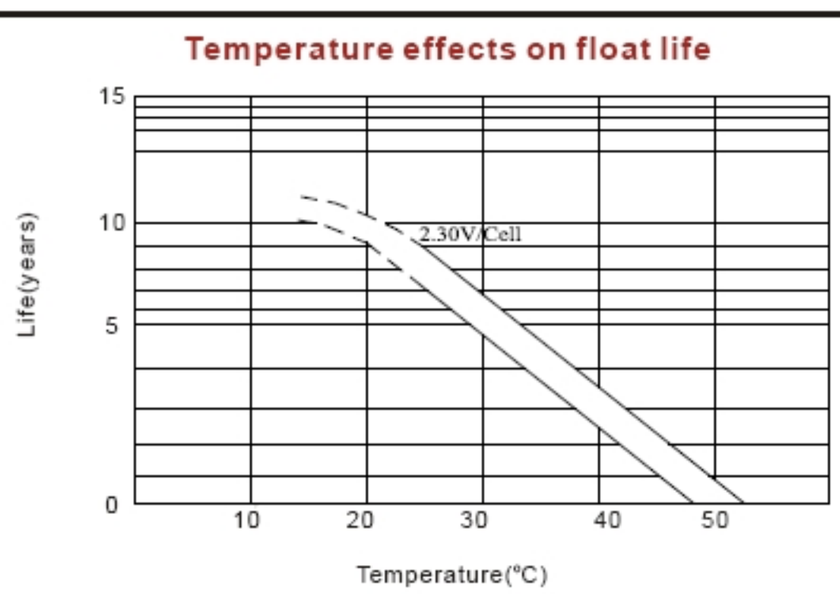
Life characteristics of Standby use



Cycle service life in relation to depth of discharge



Temperature effects on float life



Temperature effects on capacity