

EURONET

FRONT TERMINAL SOLAR GEL BATTERY

MODELS

E-BLUE12100FT

E-BLUE12150FT

E-BLUE12200FT



Key Features

- **Compact Design:** Slim and lightweight, ideal for space-constrained installations.
- **High Capacity:** Ranging from 100Ah to 200Ah, ensuring long-lasting power.
- **Wide Temperature Range:**
Discharge: -40°C to 50°C
Charge: -20°C to 50°C
- **Storage:** -20°C to 50°C
- **Low Self-Discharge:** Can be stored for over 6 months at 25°C.
- **High Discharge Current:** Up to 1200A (5 seconds) for high-power applications.
- **Low Internal Resistance:** Ensures efficient power delivery.
- **Durable Construction:** ABS container with UL94-HB flammability resistance (UL94-V0 available on request).

Applications



Backup Power System



System for Home Use



Telecom Base Station



Construction



Farming & Agricultural



Industrial Factory



Industries & Camps



Telecom & Data Centres

Model	E-BLUE12100FT	E-BLUE12150FT	E-BLUE12200FT
Voltage	12V	12V	12V
Capacity	100Ah	150Ah	200Ah
Weight	~30kg	~44.5kg	~45kg
Max Discharge	800A (5s)	1200A (5s)	1200A (5s)
Internal Resistance	~3.8mΩ	~4.2mΩ	~3.0mΩ
Float Charge Voltage	13.50-13.80V	13.50-13.80V	13.50-13.80V
Max Charge Current	25A	37.5A	50A
Terminal Type	T13	T13	T13

SOLAR GEL BATTERY

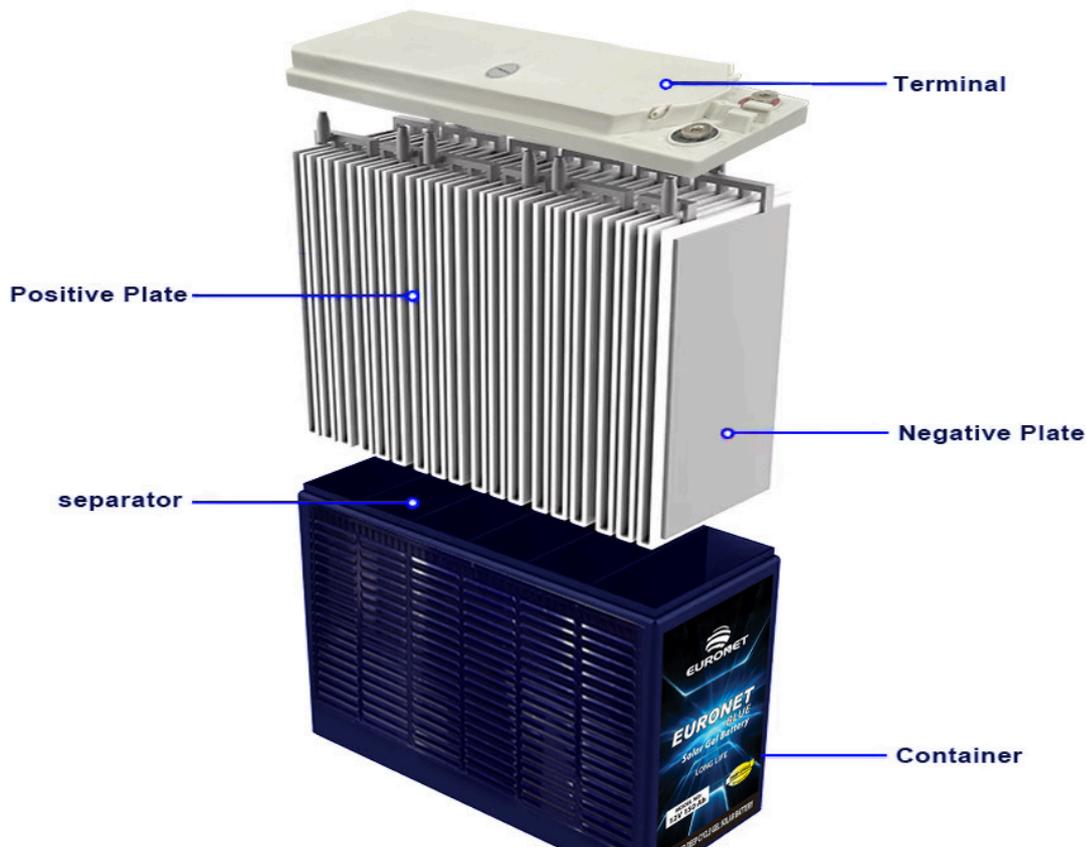
Advanced Gel Technology for Reliable Power Solutions

Specific Features

- Deep-Cycle Capability: Designed for frequent charge-discharge cycles, perfect for daily solar energy storage.
- High Charge Acceptance: Efficiently captures solar energy even in low-light conditions.
- Temperature Resilience: Performs reliably in extreme temperatures, making it suitable for outdoor solar installations.
- Long Cycle Life: Up to 2000 cycles at 50% Depth of Discharge (DOD), ensuring years of reliable service.
- Low Maintenance: No water topping required, reducing operational costs.

Dimensions

- **E-BLUE12100FT:** 238mm x 506mm x 110mm
- **E-BLUE12150FT:** 295mm x 551mm x 110mm
- **E-BLUE12200FT:** 316mm x 561mm x 125mm



Why Choose EuroNet Gel Batteries?

- Reliability: Engineered for consistent performance in demanding conditions.
- Versatility: Suitable for a wide range of applications.
- Safety: Sealed design with flame-retardant materials.
- Efficiency: Low internal resistance and high discharge capability.

Sealed Rechargeable **Gel Batteries**

E-BLUE12100FT



Sealed Rechargeable Gel Battery

12V 100AH



SPECIFICATIONS

Cells Per Unit	6
VoltagePerUnit	12
Capacity	100Ah@10hr-rate to 1.80V per cell@25°C
Weight	Approx.30kg
Max.DischargeCurrent	800A (5sec)
Internal Resistance	3.8mΩ
Operating Temperature Range	Discharge: -40°C~50°C Charge: -20°C~50°C Storage: -20°C~50°C
Normal Operating Temperature Range	25°C±5°C
Float charging Voltage	13.50 to 13.80V DC/unit Average at 25°C
Max.ChargingCurrent	25.0A
Equalization and Cycle service	14.70 to 15.00V DC/unit Average at 25°C
Self Discharge	Batteries can be stored for more than 6 month at 25°C. Charge batteries before using. For high temp, the time interval will be shorter.
Terminal	T13
Constainer Material	ABS(UL94-HB) Flammability resistance of UL94-V0 is available on request.

Constant Current Discharge Characteristics Unit:A(25°C,77°F)

F.V/Time	5min	10min	15min	30min	45min	1h	3h	5h	10h	20h
1.60V/cell	291.8	200.3	144.5	87.3	63.9	56.3	25.5	17.3	10.6	5.38
1.65V/cell	279.9	181.4	141.4	85.7	63.2	55.8	25.4	17.2	10.5	5.30
1.70V/cell	254.0	175.1	139.4	85.2	62.5	55.3	25.3	17.1	10.4	5.25
1.75V/cell	229.4	161.2	135.4	84.4	60.4	55.0	25.0	17.0	10.3	5.20
1.80V/cell	208.6	149.8	125.6	79.4	59.8	52.3	23.8	16.3	10.0	5.10

Constant Power Discharge Characteristics Unit:W(25°C,77°F)

F.V/Time	5min	10min	15min	30min	45min	1h	3h	5h	10h	20h
1.60V/cell	484.1	332.8	262.2	166.4	125.5	110.8	54.8	33.6	20.2	10.6
1.65V/cell	463.9	330.8	260.5	161.4	124.4	109.7	54.3	33.8	19.9	10.4
1.70V/cell	433.6	322.7	255.5	158.0	121.0	109.1	53.9	33.5	19.7	10.2
1.75V/cell	403.4	302.5	238.7	149.6	119.9	108.0	53.8	33.4	19.6	10.0
1.80V/cell	363.1	282.4	225.2	147.9	116.6	102.7	49.9	31.8	18.5	9.6

All mentioned values are average values.

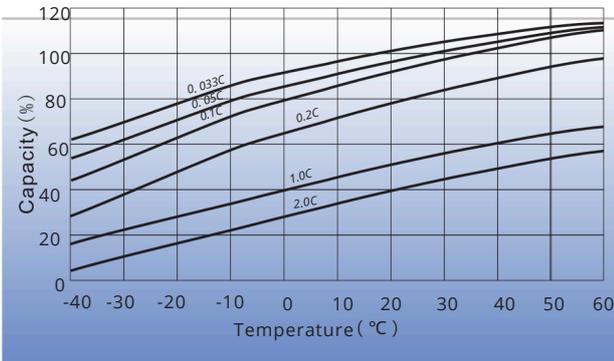
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E-BLUE12100FT

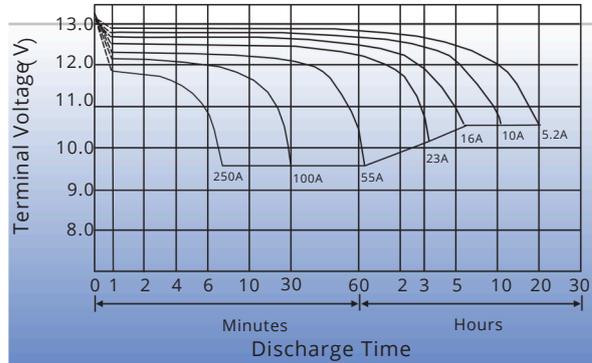


Sealed Rechargeable Gel Battery

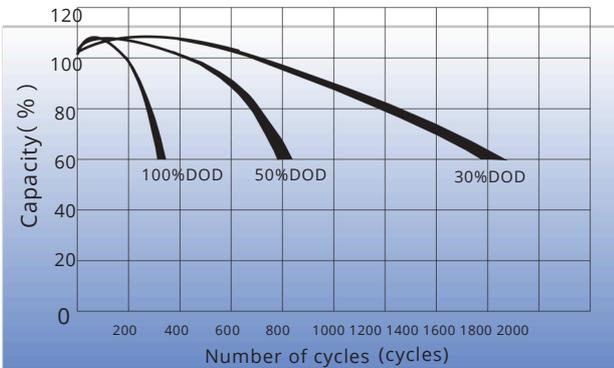
TEMPERATURE EFFECTS CURVE



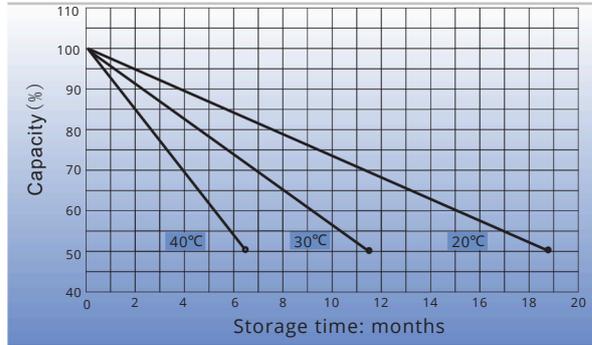
DISCHARGE TIME VS D.ISCHARGE CURRENT 25(°C)



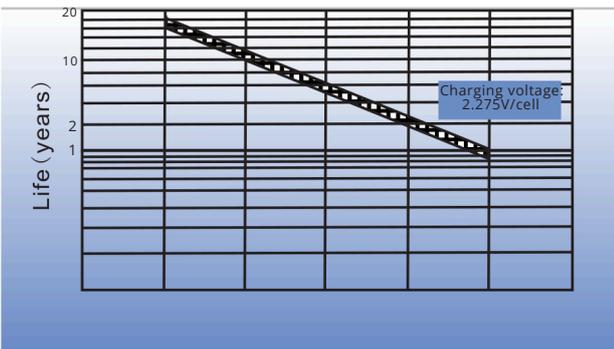
LIFE CHARACTERISTICS OF CYCLIC USE



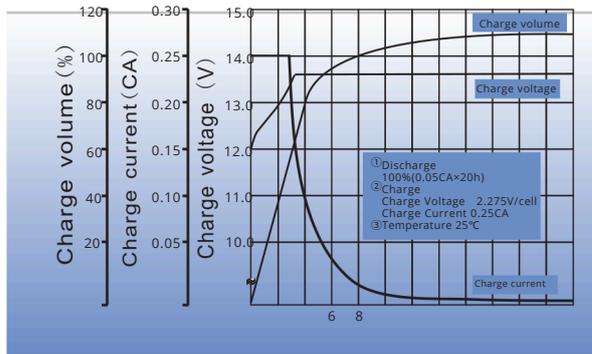
SELF-DISCHARGE CHARACTERISTIC



EFFECT OF TEMPERATURE ON LONG TERM FLOAT LIFE



CHARGE CHARACTERISTIC CURVE FOR STANDBY USE



Charging Procedures

Application	Charge Voltage(V/cell)		Max.Charge Current
	Temperature	SetPoint AllowableRange	
Cycle Use	25°C	2.475 2.45~2.50	0.25C
Standby Use	25°C	2.275 2.25~2.30	

Discharge Current VS Discharge Voltage

Final Discharge Voltage V/cell	1.75	1.7	1.6	1.3
Discharge Current(A)	0.2C > (A)	0.2C < (A)	0.5C < (A)	1.0C < (A)

Charge the batteries at least once every 6 months, if they are stored at 25°C.

Charging Method

Constant Voltage	14.7~15.0V, 5~11h, Max. Current 0.25CA
Constant Current	0.1CA × 5h
Fast	0.25CA × 1.7h

E-BLUE12150FT



Sealed Rechargeable Gel Battery

12V 150AH



SPECIFICATIONS

Cells Per Unit	6
Voltage Per Unit	12
Capacity	150Ah@10hr-rate to 1.80V per cell@25°C
Weight	Approx.44.5kg
Max.Discharge Current	1200A (5sec)
Internal Resistance	Approx.4.2mΩ
Operating Temperature Range	Discharge: -40°C~50°C Charge: -20°C~50°C Storage: -20°C~50°C
Normal Operating Temperature Range	25°C±5°C
Float charging Voltage	13.50 to 13.80V DC/unit Average at 25°C
Max.Charging Current	37.5A
Equalization and Cycle service	14.70 to 15.00V DC/unit Average at 25°C
Self Discharge	Batteries can be stored for more than 6 month at 25°C. Charge batteries before using. For high temp, the time interval will be shorter.
Terminal	T13
Constainer Material	ABS(UL94-HB) Flammability resistance of UL94-V0 is available on request.

Constant Current Discharge Characteristics Unit:A(25°C,77°F)

F.V/Time	5 min	10 min	15min	30min	45min	1h	3h	5h	10h	20h
1.60V/cell	422.3	300.4	216.8	131.0	95.8	84.4	38.3	25.9	15.5	8.0
1.65V/cell	405.1	272.1	212.1	128.6	94.8	83.6	38.1	25.9	15.4	7.9
1.70V/cell	367.7	262.6	209.0	127.7	93.7	82.9	37.9	25.5	15.3	7.8
1.75V/cell	332.1	241.8	203.1	126.7	90.7	82.5	37.5	25.5	15.2	7.7
1.80V/cell	302.0	224.6	188.5	119.1	89.7	78.4	35.6	24.4	15.0	7.6

Constant Power Discharge Characteristics Unit:W(25°C,77°F)

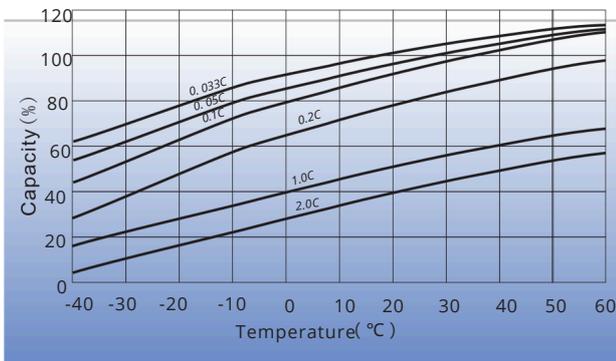
F.V/Time	5min	10m in	15m in	30m in	45m in	1h	3h	5h	10h	20h
1.60V/cell	697.0	479.2	377.5	239.6	180.6	164.8	81.6	50.4	30.0	15.8
1.65V/cell	667.9	476.2	375.1	232.3	179.1	163.2	80.7	50.3	29.6	15.4
1.70V/cell	624.4	464.6	367.8	227.5	174.2	162.4	80.3	49.9	29.4	15.1
1.75V/cell	580.8	435.6	343.6	215.4	172.7	160.8	80.0	49.7	29.2	14.8
1.80V/cell	522.7	406.6	324.3	213.0	167.8	152.8	74.3	47.4	28.7	14.0

E-BLUE12150FT

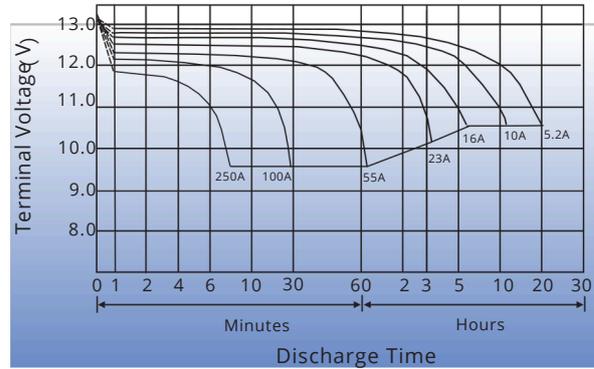


Sealed Rechargeable Gel Battery

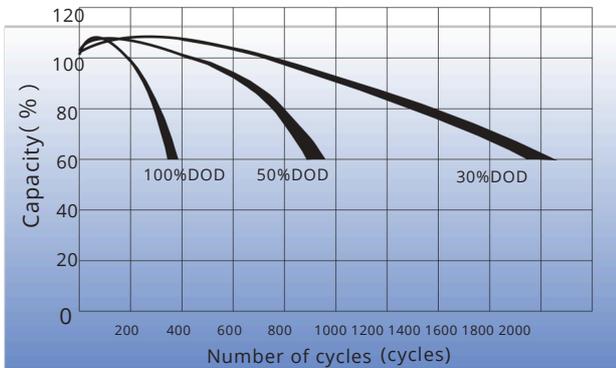
TEMPERATURE EFFECTS CURVE



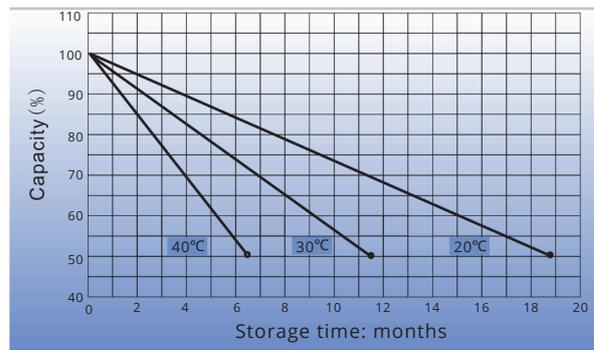
DISCHARGE TIME VS D.ISCHARGE CURRENT 25(°C)



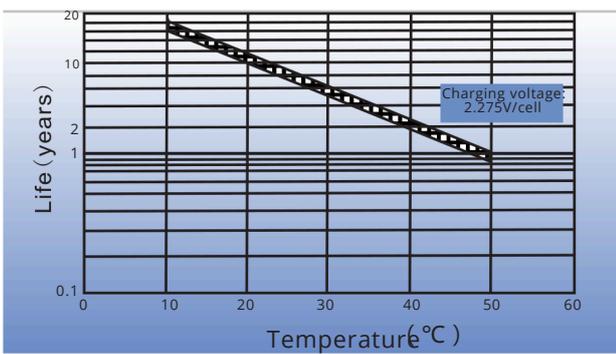
LIFE CHARACTERISTICS OF CYCLIC USE



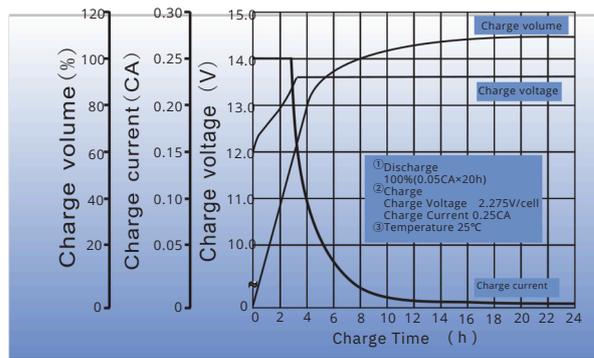
SELF-DISCHARGE CHARACTERISTIC



EFFECT OF TEMPERATURE ON LONG TERM FLOAT LIFE



CHARGE CHARACTERISTIC CURVE FOR STANDBY USE



Charging Procedures

Application	Charge Voltage(V/cell)		Max.Charge Current
	Temperature	SetPoint AllowableRange	
Cycle Use	25°C	2.475 2.45~2.50	0.25C
Standby Use	25°C	2.275 2.25~2.30	

Discharge Current VS Discharge Voltage

Final Discharge Voltage V/cell	1.75	1.7	1.6	1.3
Discharge Current(A)	0.2C > (A)	0.2C < (A)	0.5C < (A)	1.0C < (A)

Charge the batteries at least once every 6 months, if they are stored at 25°C.

Charging Method

Constant Voltage	14.7~15.0V, 5~11h, Max. Current 0.25CA
Constant Current	0.1CA × 5h
Fast	0.25CA × 1.7h

E-BLUE12200FT



Sealed Rechargeable Gel Battery

12V 200AH



SPECIFICATIONS

Cells Per Unit	6
VoltagePerUnit	12
Capacity	200Ah@10hr-rate to 1.80V per cell@25°C
Weight	Approx.54.0kg
Max.DischargeCurrent	1200A (5sec)
Internal Resistance	Approx.3.0mΩ
Operating Temperature Range	Discharge: -40°C~50°C Charge: -20°C~50°C Storage: -20°C~50°C
Normal Operating Temperature Range	25°C±5°C
Float charging Voltage	13.50 to 13.80V DC/unit Average at 25°C
Max.ChargingCurrent	50.0A
Equalization and Cycle service	14.70 to 15.00V DC/unit Average at 25°C
Self Discharge	Batteries can be stored for more than 6 month at 25°C. Charge batteries before using. For high temp, the time interval will be shorter.
Terminal	T13
Constainer Material	ABS(UL94-HB) Flammability resistance of UL94-V0 is available on request.

Constant Current Discharge Characteristics Unit: A(25°C,77°F)

F.V/Time	5min	10min	15min	30min	45min	1h	3h	5h	10h	20h
1.60V/cell	614.2	421.6	304.2	183.8	134.5	112.5	51.0	34.5	20.7	10.8
1.65V/cell	589.2	381.9	297.7	180.5	133.0	111.5	50.8	34.3	20.5	10.5
1.70V/cell	534.8	368.6	293.4	179.3	131.5	110.5	50.5	34.2	20.3	10.4
1.75V/cell	483.0	339.4	258.1	177.8	127.2	110.0	50.0	34.0	20.2	10.3
1.80V/cell	439.2	315.3	264.5	167.2	126.0	104.5	47.5	32.5	20.0	10.2

Constant Power Discharge Characteristics Unit: W(25,77°F)

F.V/Time	5min	10min	15min	30min	45min	1h	3h	5h	10h	20h
1.60V/cell	963.1	662.1	521.7	331.1	249.6	193.4	95.7	59.2	38.4	20.3
1.65V/cell	922.9	658.0	518.3	321.0	247.5	191.5	94.7	59.0	37.9	20.1
1.70V/cell	862.8	642.0	508.3	314.3	240.8	190.5	94.2	58.5	37.6	19.7
1.75V/cell	802.6	601.9	474.8	297.6	238.6	188.6	93.9	58.3	37.3	19.2
1.80V/cell	722.3	561.8	448.1	294.3	231.9	179.3	87.1	55.6	35.7	18.3

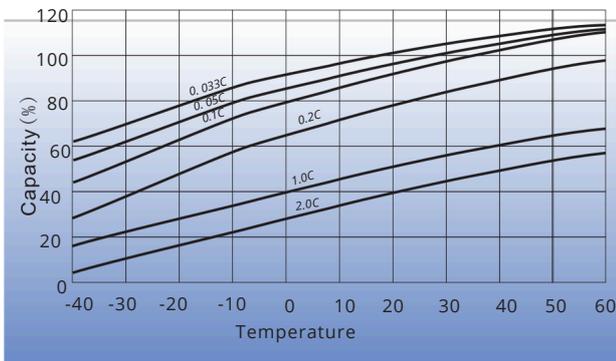
All mentioned values are average values.

E-BLUE12200FT

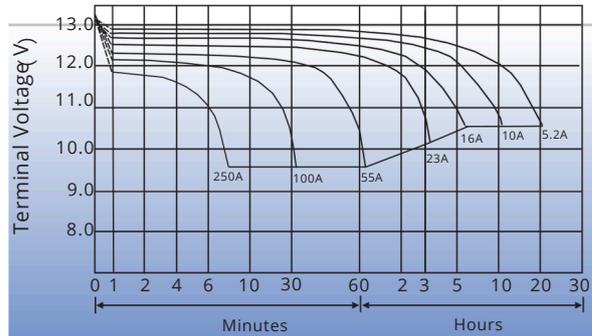


Sealed Rechargeable Gel Battery

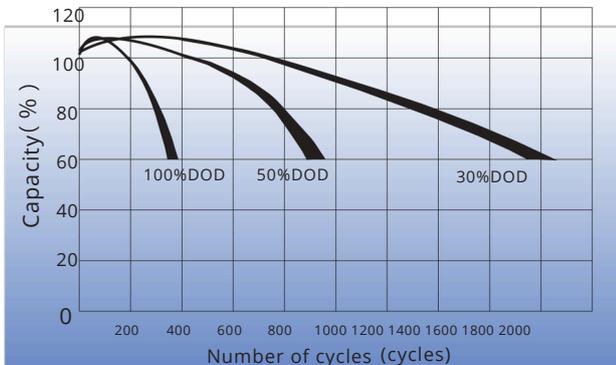
TEMPERATURE EFFECTS CURVE



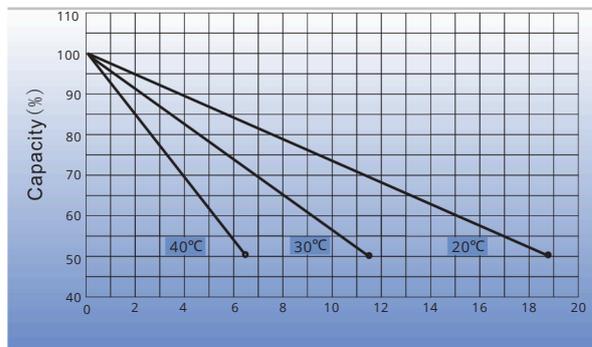
DISCHARGE TIME VSD.ISCHARGE CURRENT 25(°C)



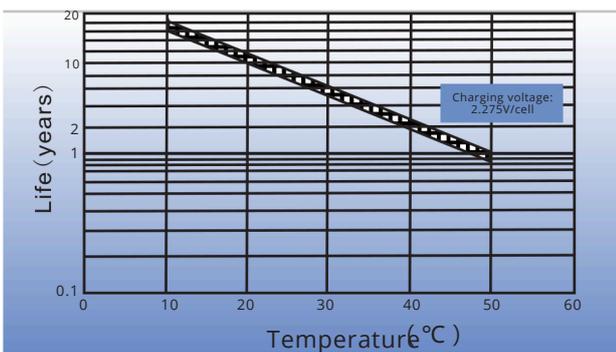
LIFE CHARACTERISTICS OF CYCLIC USE



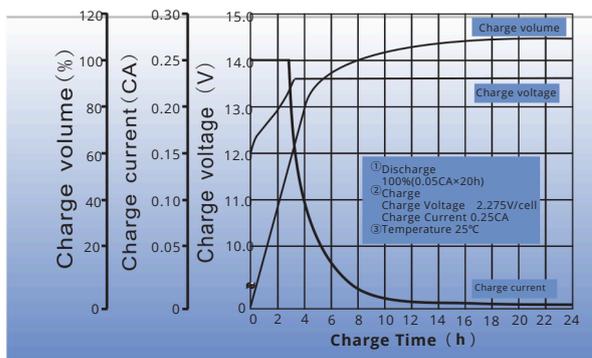
SELF-DISCHARGE CHARACTERISTIC



EFFECT OF TEMPERATURE ON LONG TERM FLOAT LIFE



CHARGE CHARACTERISTIC CURVE FOR STANDBY USE



Charging Procedures

Application	Charge Voltage(V/cell)			Max.Charge Current
	Temperature	SetPoint	AllowableRange	
Cycle Use	25°C	2.475	2.45~2.50	0.25C
Standby Use	25°C	2.275	2.25~2.30	

Discharge Current VS Discharge Voltage

Final Discharge Voltage V/cell	1.75	1.7	1.6	1.3
Discharge Current(A)	0.2C>(A)	0.2C<(A)<0.5C	0.5C<(A)<1.0C	(A)>1.0C

Charge the batteries at least once every 6 months, if they are stored at 25°C.

Charging Method

Constant Voltage	4.7~15.0V, 5~11h, Max. Current 0.25CA
Constant Current	0.1CA ×5h
Fast	0.25CA ×1.7h

SOLAR GEL BATTERY



The Future of Energy Storage!

Experience unmatched efficiency, durability, and performance with our brand-new GEL BATTERY. Designed for long-lasting power, deep cycle applications, and zero maintenance, this advanced battery ensures maximum reliability in residential, commercial, and industrial energy storage solutions.

Key Highlights:

- ✓ **High-Capacity Storage** – Built for extended backup power.
- ✓ **Deep Cycle Performance** – Optimized for long life and sustainability.
- ✓ **Zero Maintenance** – Hassle-free operation with superior durability.
- ✓ **Eco-Friendly Design** – Supporting a greener, cleaner future.

Now Available! Contact Us to Get More!

SOLAR GEL BATTERY