



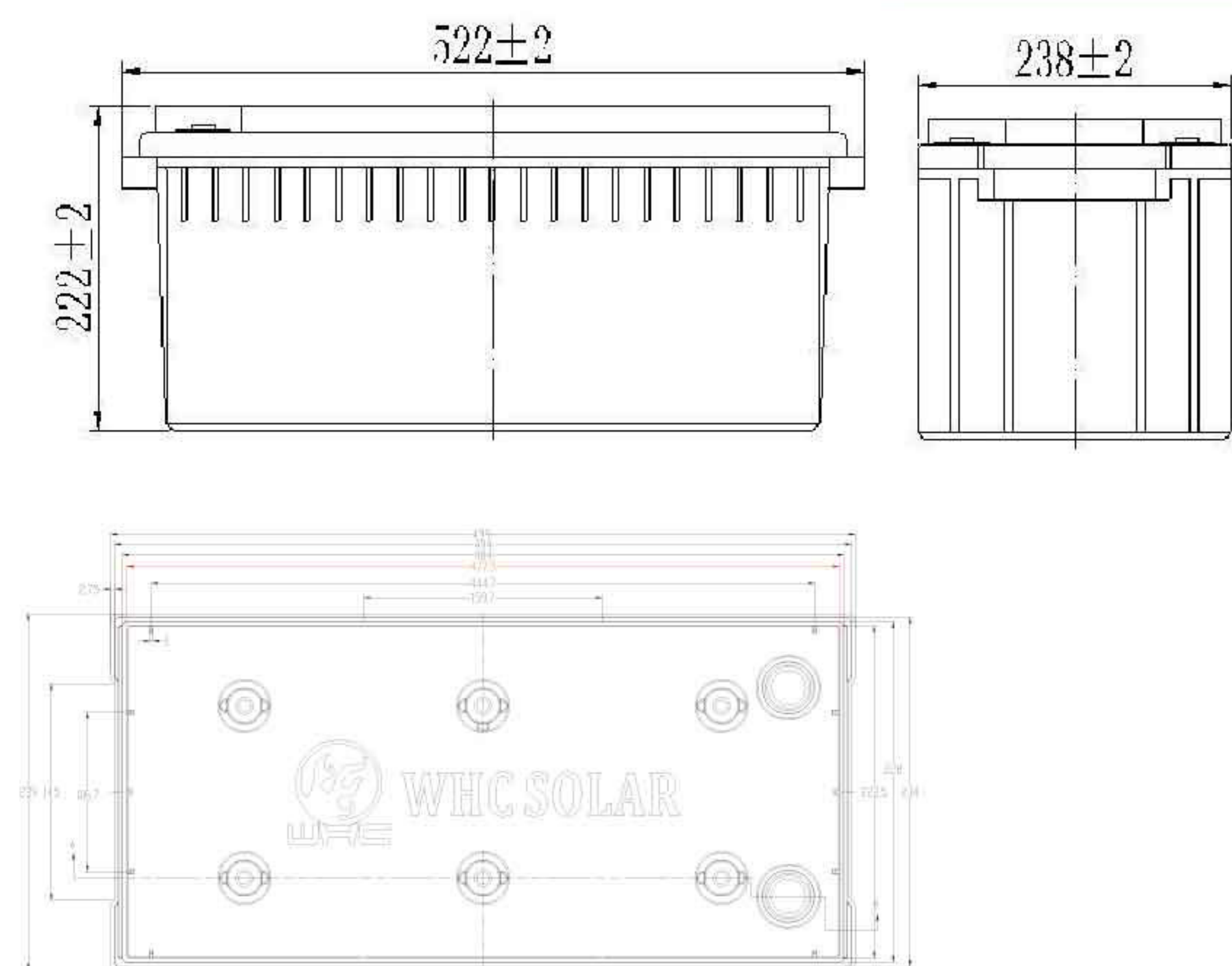
Specifications »

Nominal Voltage		12 V
Capacity (25°C)	10HR(10.8V)	200 Ah
	5HR(10.5V)	156Ah
	1HR(9.60V)	116Ah
Dimension	Length	522±2mm(20.55inch)
	Width	238±2mm (9.37inch)
	Height	222±2mm (8.74inch)
	Total Height	222±2mm (8.74inch)
Terminal type		T11
Internal Resistance (Fully Charged, 25°C)		Approx. 3.3mΩ
Capacity Affected By Temperature (10HR)	40 °C	103%
	25 °C	100%
	0 °C	88%
	-15 °C	70%
Self -Discharge (25°C)	3 month	Remaining Capacity: 94%
	6 month	Remaining Capacity: 88%
	12 month	Remaining Capacity: 75%
Nominal Operating Temperature		25°C±3°C (77°F± 5 °F)
Operating Temperature Range	Discharge	-15°C ~ 50°C (5°F ~ 131°F)
	Charge	-10°C ~ 50°C (14°F ~ 131°F)
	Storage	-20°C ~ 50°C (-4 °F ~ 131°F)
Float Charging Voltage(25°C)		13.50 to 13.80V Temperature compensation: -18 mV/°C
Cyclic Charging Voltage(25°C)		14.10 to 14.40V Temperature Compensation: -30mV/°C
Maximum Charging Current		40A
Terminal Material		Copper
Maximum Discharge Current		1600A(5 sec.)
Designed Floating Life(20 °C)		15 Years

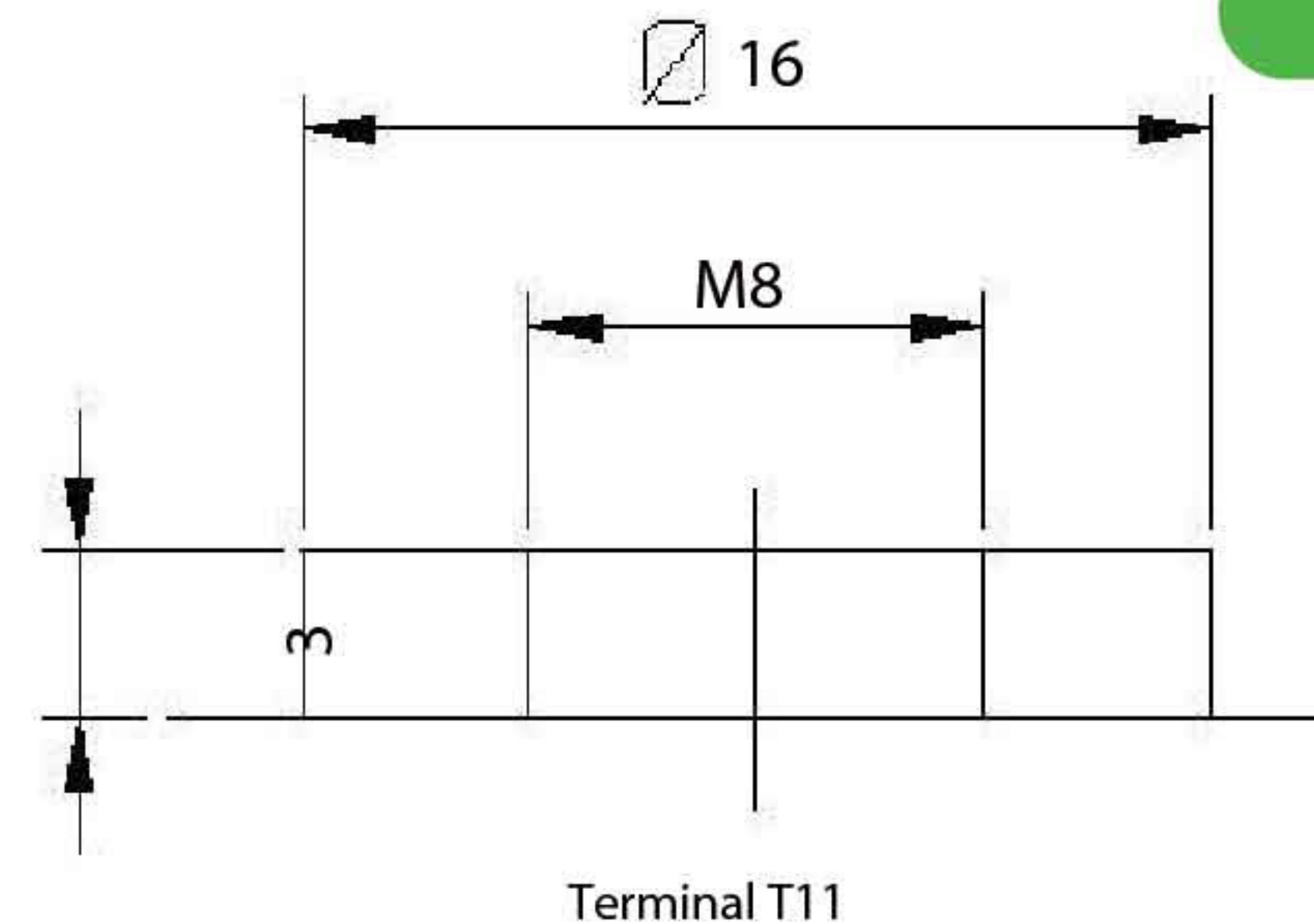
◆ Absorbent glass mat technology; ◆ ABS container.



« Dimensions



« Terminal



Terminal T11

Constant Current Discharge Characteristics (A, 25°C)

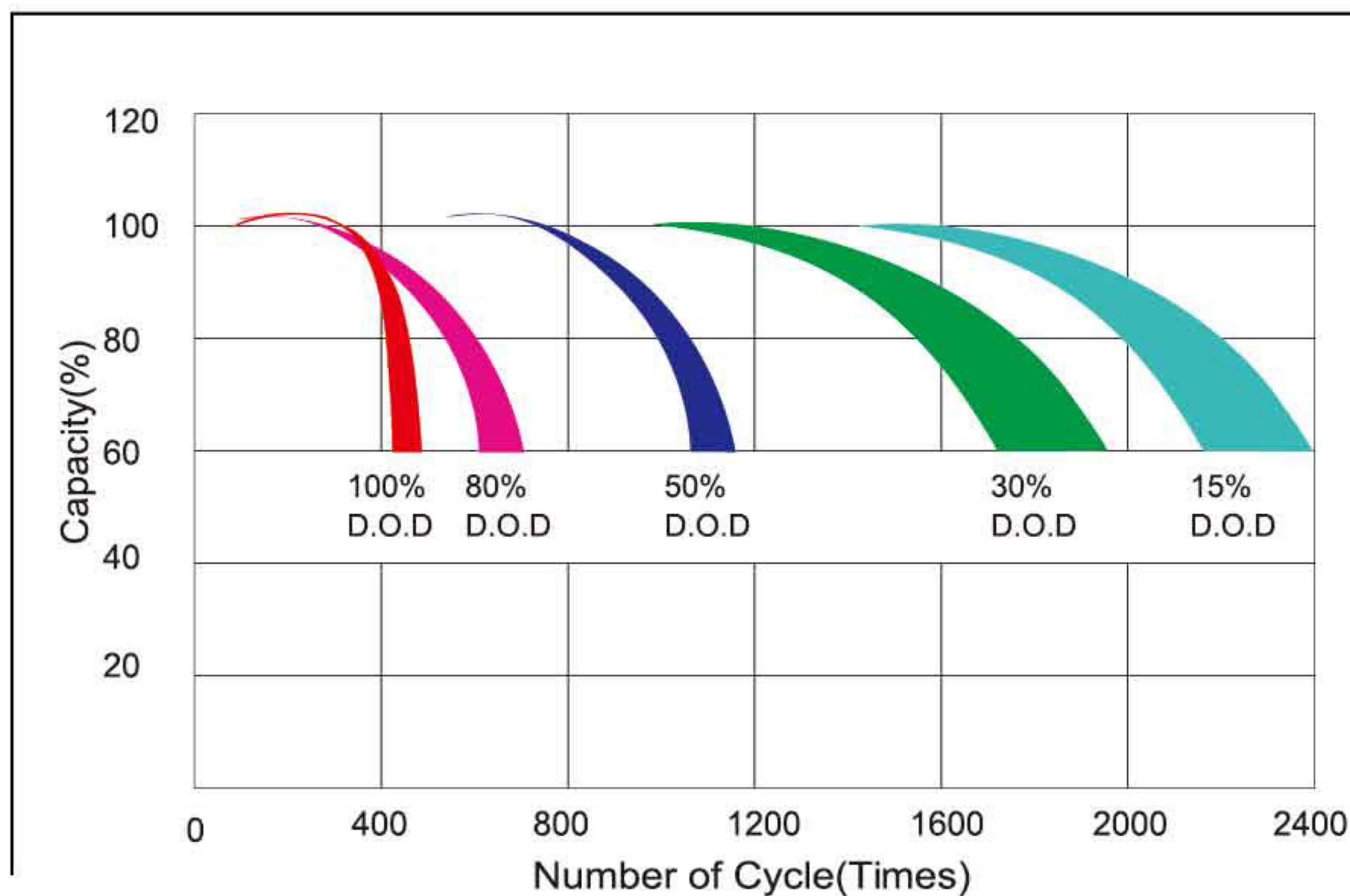
F.V/TIME	15min	30min	60min	2h	3h	4h	5h	6h	8h	10h	20h	48h	120h
9.60V	270	186	116	68.0	48.0	37.8	31.6	27.0	21.0	18.7	10.2	---	---
9.90V	264	183	115	67.6	47.6	37.6	31.4	26.8	20.8	18.7	10.2	---	---
10.2V	254	177	112	67.0	47.4	37.2	31.2	26.6	20.8	18.6	10.2	4.46	---
10.5V	246	173	110	66.0	47.0	37.0	31.0	26.4	20.6	18.5	10.0	4.43	1.84
10.8V	232	166	106	64.4	45.6	35.8	30.0	25.6	20.0	18.4	10.0	4.43	1.84

Constant Power Discharge Characteristics (Watt, 25°C)

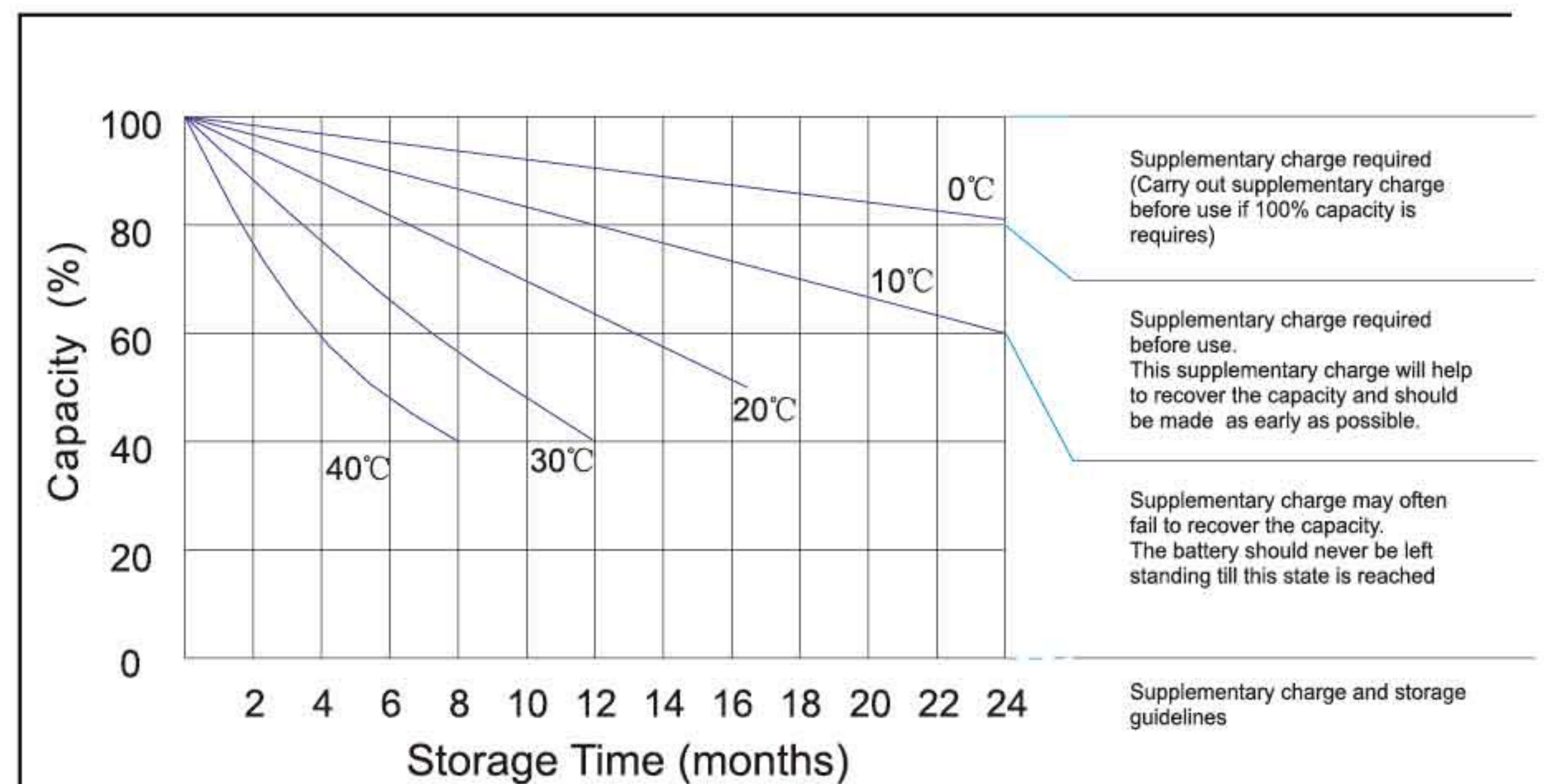
F.V/TIME	15min	30min	60min	2h	3h	4h	5h	6h	8h	10h	20h	48h	120h
9.60V	3014	2124	1340	792	566	446	376	320	250	224	123	---	---
9.90V	2940	2082	1320	786	564	444	374	318	250	224	123	---	---
10.2V	2832	2018	1288	780	560	440	370	316	248	224	123	53.5	---
10.5V	2736	1970	1262	768	556	438	368	314	246	222	121	53.2	22.2
10.8V	2592	1898	1222	748	538	424	358	304	238	220	121	53.2	22.0

Note: The Above Characteristics Data Can Be Obtained Within Three Charge/discharge Cycles.

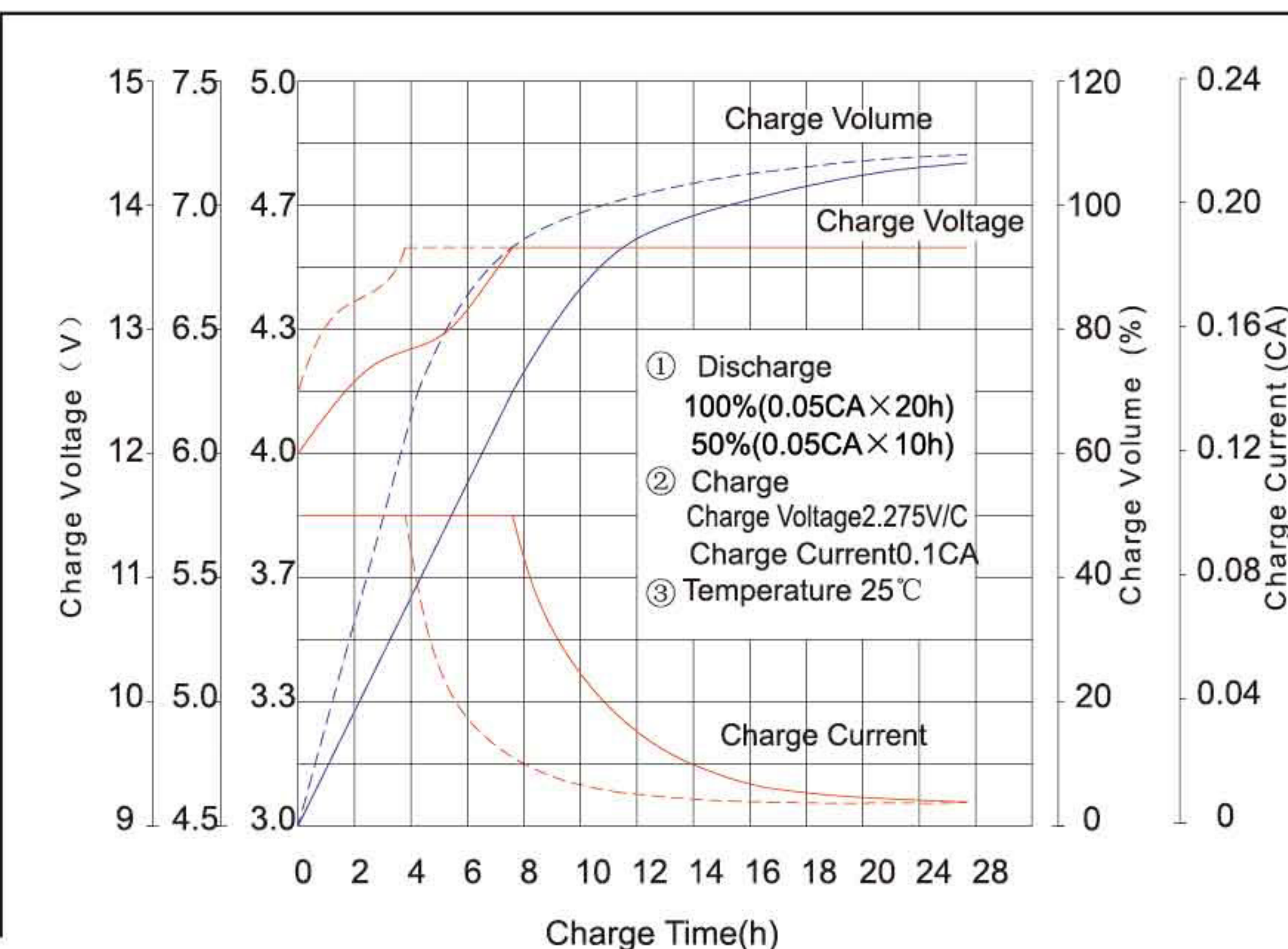
Life Characteristics Of Cyclic Use



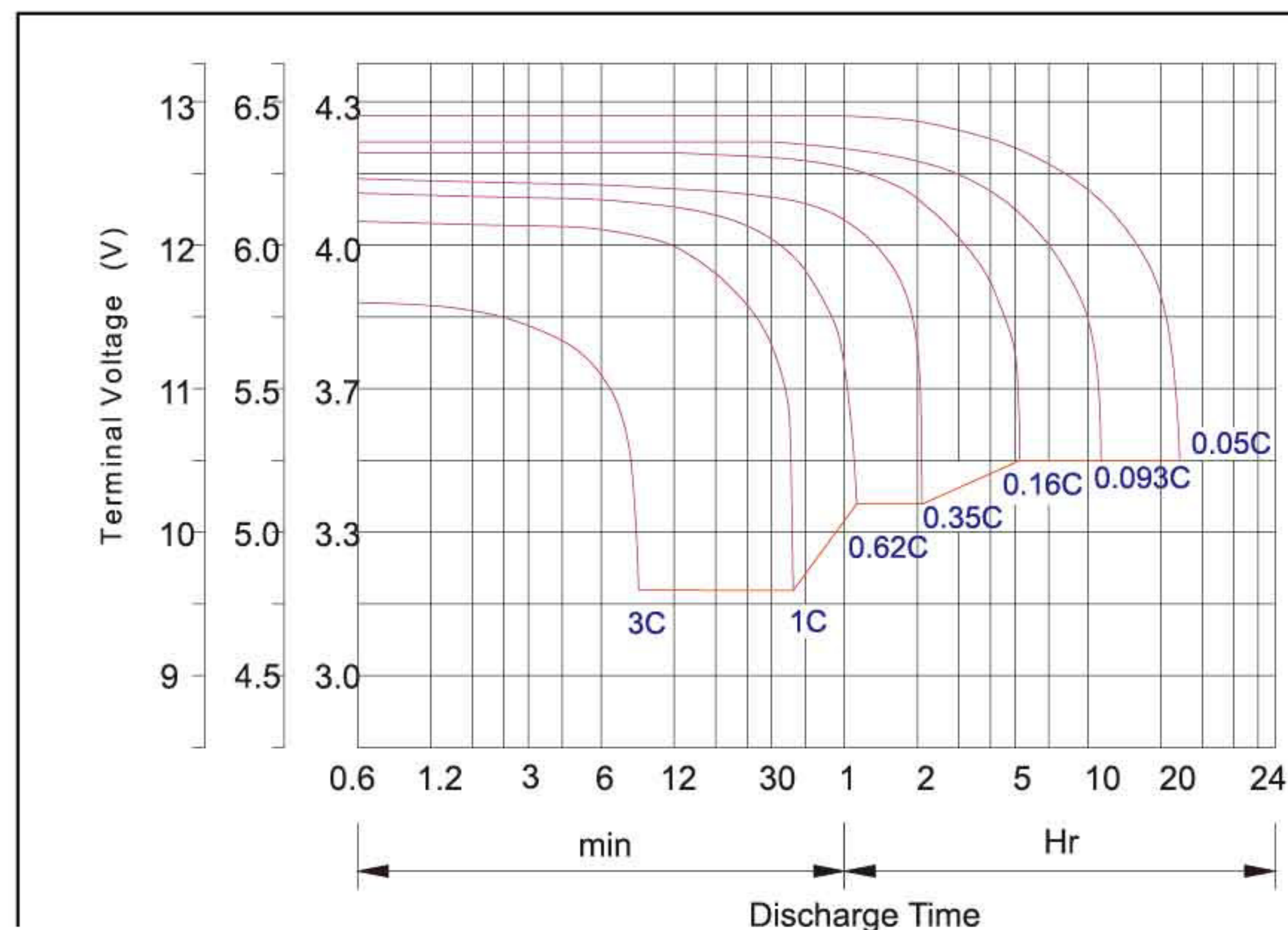
Storage Characteristic



Charge Characteristic Curve For Cyclic Use



Discharge Characteristic Curve



Capacity Factors With Different Temperature

Battery Type		-20°C	-10°C	0°C	5°C	10°C	20°C	25°C	30°C	40°C	45°C
GEL Battery	6V&12V	50%	70%	83%	85%	90%	98%	100%	102%	104%	105%
	2V	60%	75%	85%	88%	92%	99%	100%	103%	105%	106%
AGM Battery	6V&12V	46%	66%	76%	83%	90%	98%	100%	103%	107%	109%
	2V	55%	70%	80%	85%	92%	99%	100%	104%	108%	110%

Discharge Current Vs. Discharge Voltage

Final Discharge Voltage V /cell	1.75V	1.70V	1.60V
Discharge Current (A)	(A)≤0.2C	0.2C< (A) <1 .0C	(A)≥1.0C

Charge The Batteries At Least Once Every Six Months, If the X23655mm stored At 25°C .

Charaina Method: .

Constant Voltage	-0.2Cx2h+2.4-2.45V/cellx24h,Max. Current 0.2C
Constant Current	-0.2Cx2h+0.1Cx12h
Fast	-0.2Cx2h+0.2Cx6h

Bolt	M5	M6	M8
Terminal	F3F4F13F18T25T26	F8 F11 F12-1 F15	F5F9F10F12F14F16
Torque	6~7N-m	8~10N-m	10~12N-m

Maintenance & Cautions

Cycle Service»

- Avoid Battery Over Discharge, Especially Battery Sereis Connection Use. ✖
- Charged With Recommend Voltage, Ensure Battery Can Be Full Recharged. ✖
- In General, Recharge Capacity Should Be 1.1-1.15 Times Discharge Capacity.
- There Are A Number Of Factors That Will Affect The Length Of Cyclic Service. ✖
- Generally Specking, The Most Important Factors Is Depth Of Discharge.
- Effect Of Temperature On Cycle Charge Voltage: -4mv/°c/cell. ✖
- The Most Significant Are Depth Of Discharge, Ambient Temperature.
- Discharge Rate, And The Manner In Which The Battery Is Recharged.