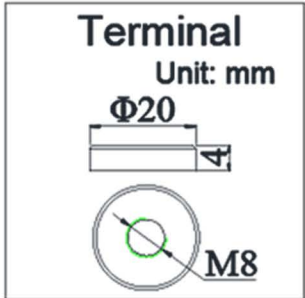
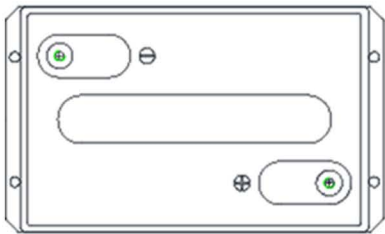
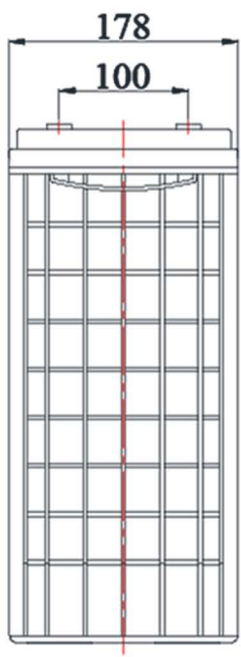
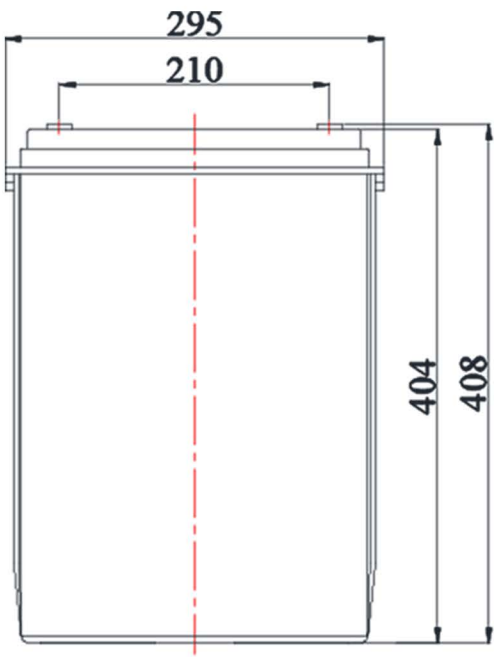




Detailed Illustration (size in mm)



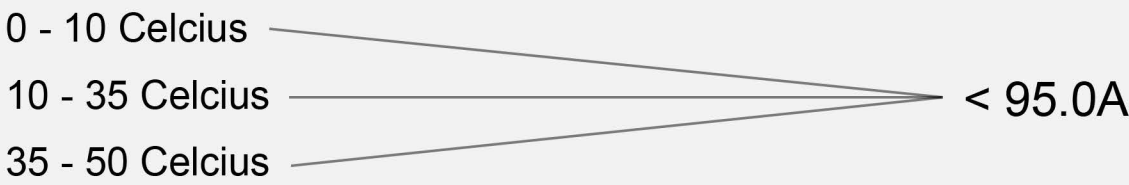
L	295 mm 11.61 inch
W	178 mm 7 inch
H	404 mm 15.90 inch
H. with Term. -	408 mm 16.06 inch
NW	57.2 kg 126.10 lbs
GW	57.7 kg 127.2 lbs
Bat. size	L16

Volts	6Volt	Included Hardware	No
Battery	Lead Carbon Battery	Warranty	3 Years

Charge

Recommended Charge Voltage at 25°C	
Stand by / Back Up / Float Use	6.8 - 6.9V
Temperature Coefficient: 0.02V/°C	
Daily Cycle / Bulk / Boost	7.2 - 7.35V
Temperature Coefficient: 0.03V/°C	

Recommended Charge Current:



Maximum Charge Current	Upto 380A (High charge current reduces battery life)
Surge Current Limit	2500A (5s)

Discharge Current VS Performance of Battery at 25°C			
Rated Discharge	Dis. Curr.	Battery Running Capacity	
Current Factor (c)	Amps (A)	Time in Hours	Amp Hour (Ah)
0.01	4.25	100	425.6
0.05	19	20	380
0.1	36.4	10	364.42
0.17	65.36	5	326.8
0.25	96.14	3	288.42
0.5	215	1	215
1	338	0.5	169
2	622	0.16 / 10 mins	103

As the Discharge Current Factor Increases, the battery service life decreases.
For optimal use, recommended depth of discharge <= 50% at 0.2c draw rate

Charge Temperature Range	-30°C ~ 60°C
Discharge Temperature Range	-30°C ~ 60°C
Storage Temperature Range	-30°C ~ 60°C
Self-Discharge at 25°C	2-3% every month

Relation Between SOC, Stand-By Voltage, Cycle Life & Depth of Discharge

SOC	Stand By Voltage (± 0.1V)	Cycle Life	DOD
100%	6.8		0%
75%	6.2	4500	25%
50%	6.1	3000	50%
25%	5.75	2000	75%
0%	5.4	900	100%

SOC = State of Charge

DOD = Depth of Discharge

To have the battery serve its design life, we recommend to stop discharge at 6.1V

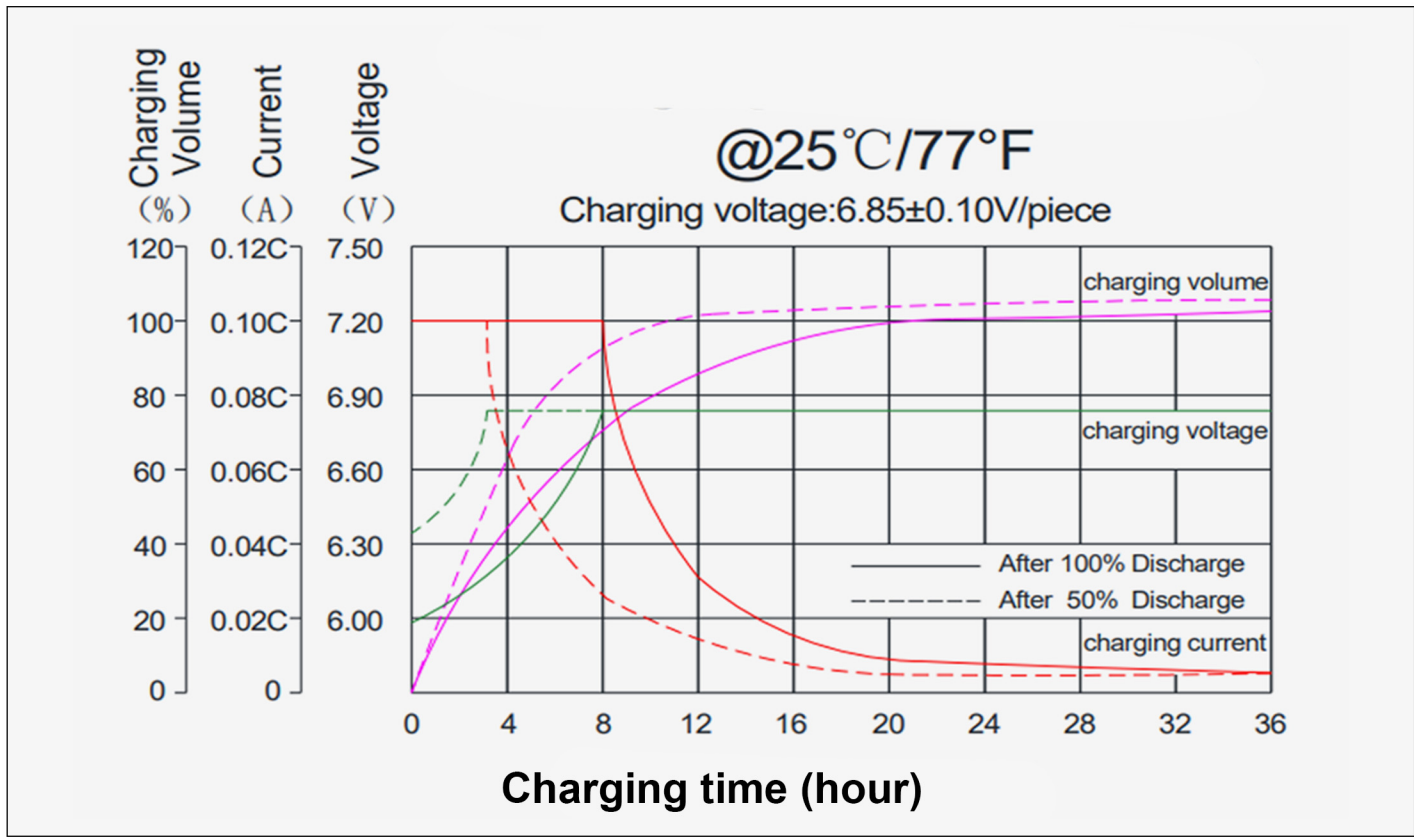
Capacity

Nominal Capacity	380Ah
Total Energy	2280WH
Nominal Voltage	6Volt
Battery Chemistry	Lead Carbon

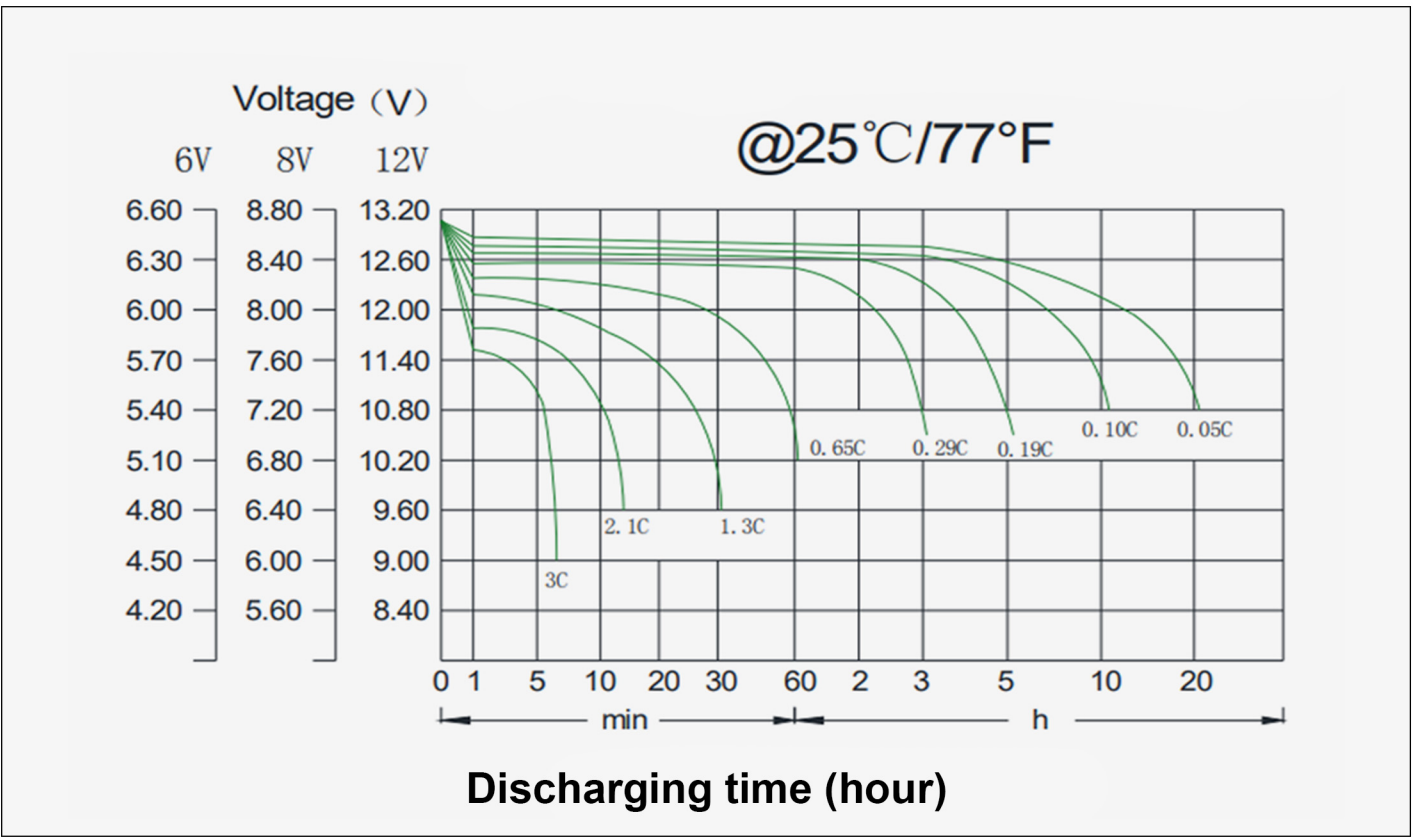
Design

Bluetooth (Yes Or No)	No
Heated (Yes Or No)	No
Container Material.	ABS
Cover Material.	ABS
Handles	Hemp rope
Series Connection	Unlimited
Parallel Connection	3
System Connection	XS3P (X= Unlimited)

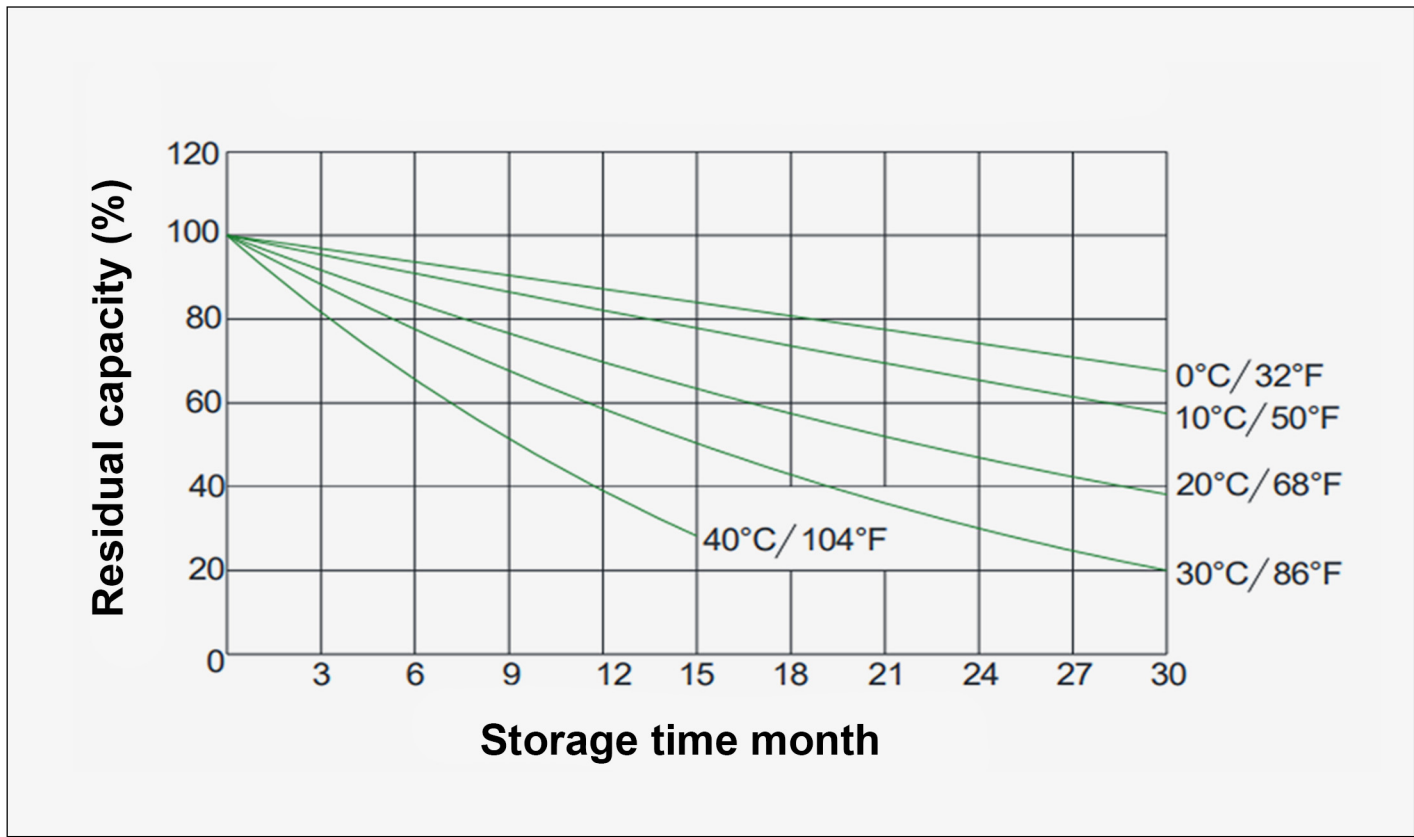
Charging Characteristics



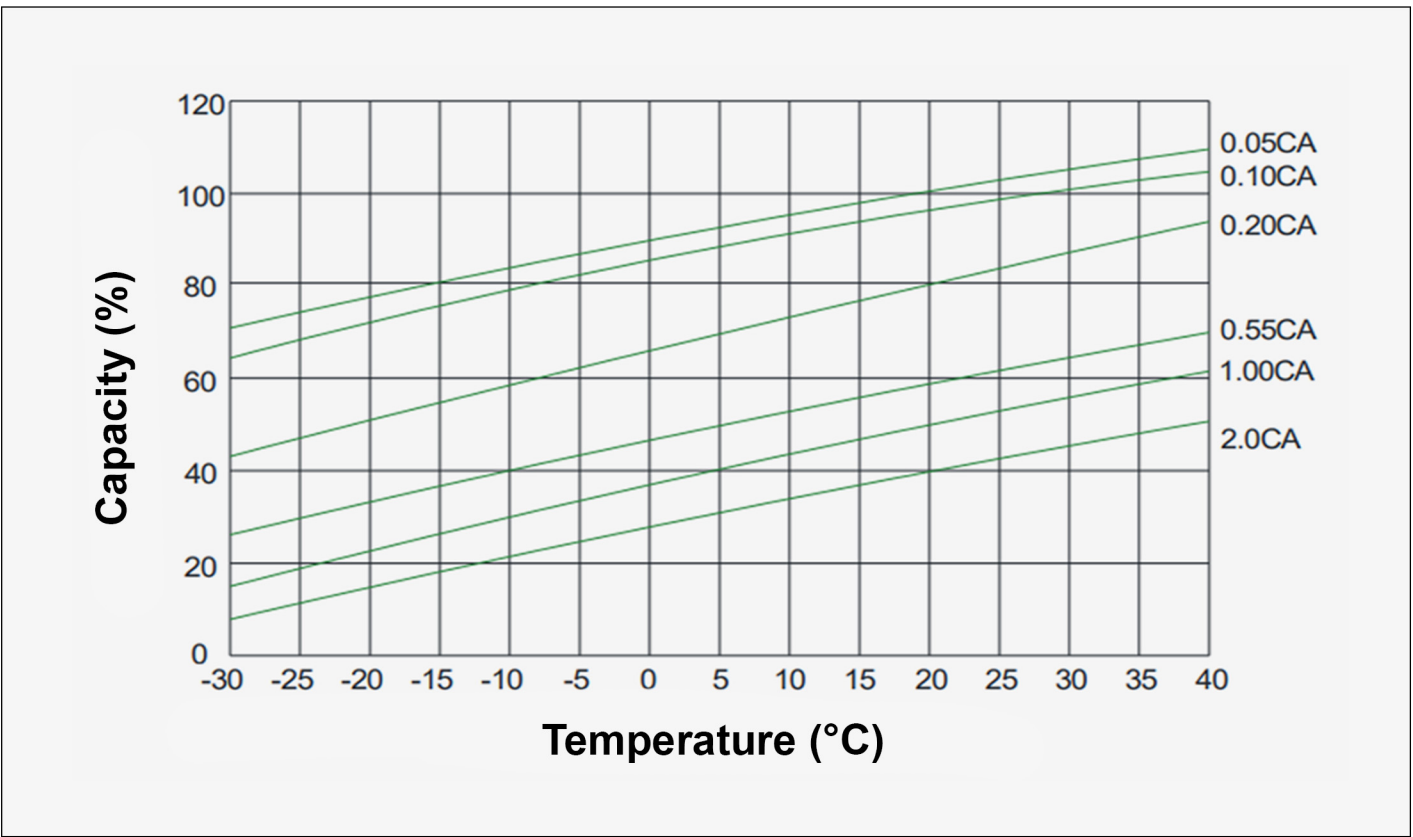
Discharge Characteristics



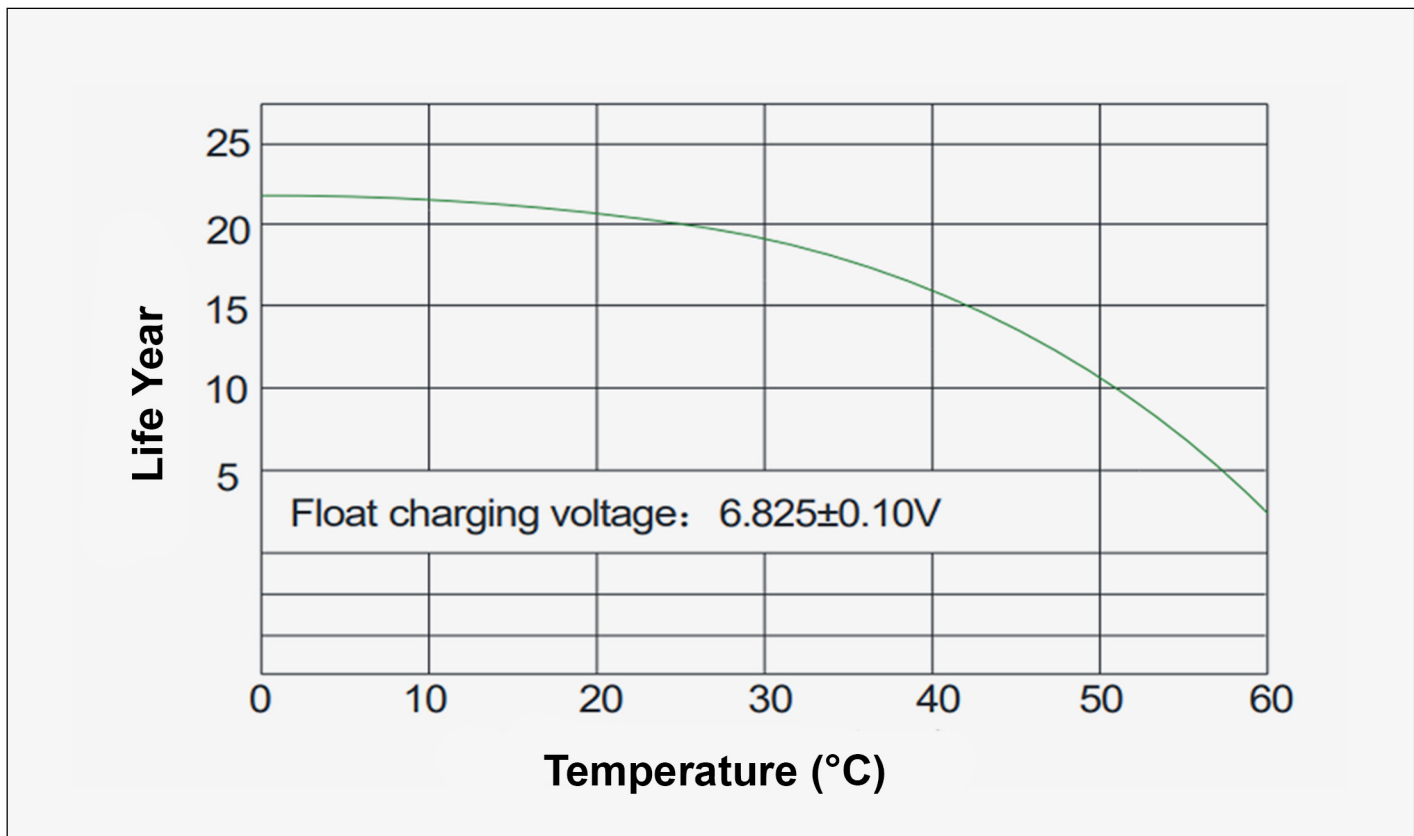
Temperature Effect on Battery Self Discharge



Temperature Effect on Capacity



Temperature Effect on Design Service Life



Cycle Life In Relation to Depth of Discharge

