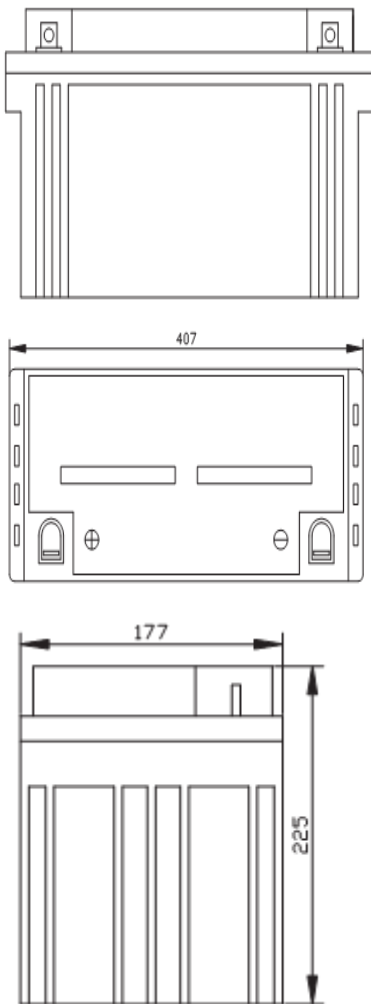


## F.E. Model: FSBFE002- FE12-120DG



**FE12-120DG** is GEL deep cycle battery, with 12 years floating design life, superiorly designed for frequent cyclic discharge application under extreme temperature. By using strong grid to insure reliable performance under frequent cyclic discharge use, 400 cycles could be available at 100% DOD. Offering extra-durable cyclic performance, high efficiency of recovery, that is more suitable for solar.

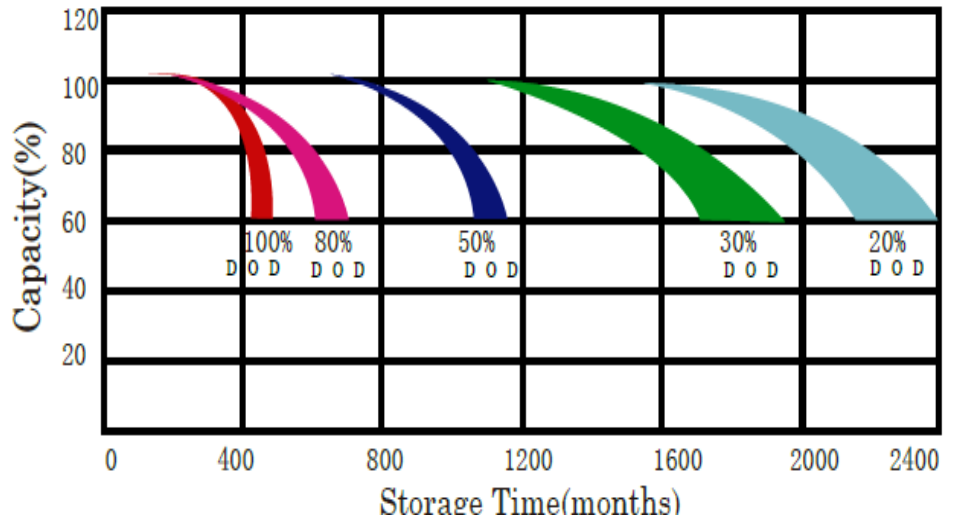
Dimension (mm) :  
407(L)×177(W) ×225(H)



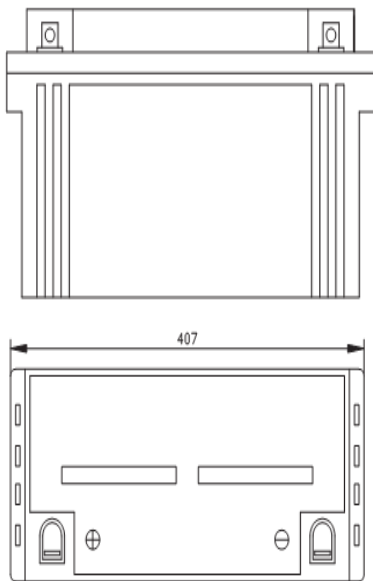
### Specification

Cells Per Unit	6
Voltage Per Unit	12
Capacity	120Ah@20hr-rate to 1.75v per cell@25°C
Weight	Approx.35.5Kg
Max. Discharge Current	1200A(5 sec)
Internal Resistance	Approx.5.0mΩ
Operating Temperature Range	Discharge:-40°C ~60°C Charge:-20°C ~50°C Strong:-40°C ~60°C
Normal Operating Temperature Range	25°C±5°C
Float charging Voltage	13.6 to 13.8 VDC/unit Average at 25°C
Recommended Maximum Charging Current Limit	24A
Equalization and Cycle Service	14.2 to 14.4 VDC/unit Average at 25°C
Self Discharge	FE batteries can be stored for more than 6 months at 25°C .Self-discharge ratio less than 3% per month at 25°C .Please charge batteries before using.
Terminal	Terminal F5/F12
Container Material	A.B.S.(UL94-HB),Flammability resistance of UL94-V1 can be available upon request.

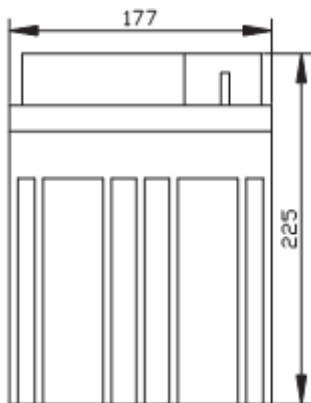
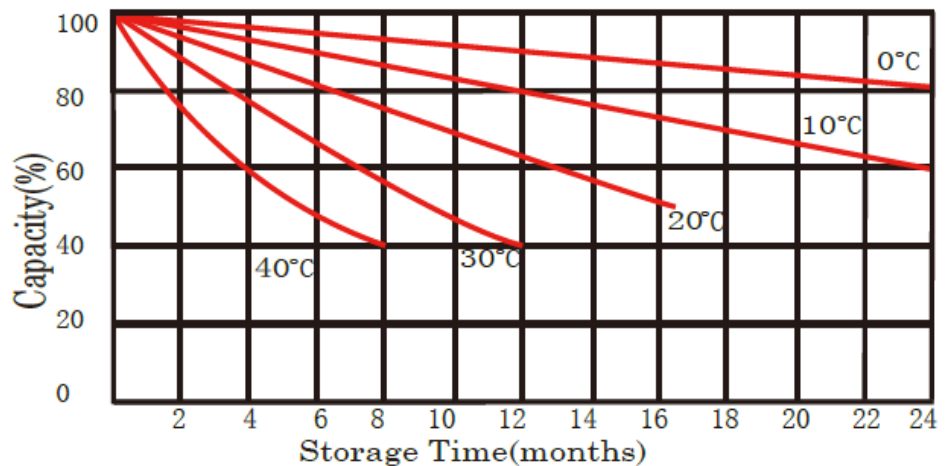
## Life characteristics of cyclic use



Dimension (mm) :  
407(L)×177(W) ×225(H)



## Storage characteristic



## Capacity Factors With Different Temperature

Battery Type		-20°C	-10°C	0°C	5°C	10°C
GEL Battery	6v&12v	50%	70%	83%	85%	90%
	2v	60%	75%	85%	88%	92%
Battery Type		20°C	25°C	30°C	40°C	45°C
GEL Battery	6v&12v	98%	100%	102%	104%	105%
	2v	99%	100%	103%	105%	106%