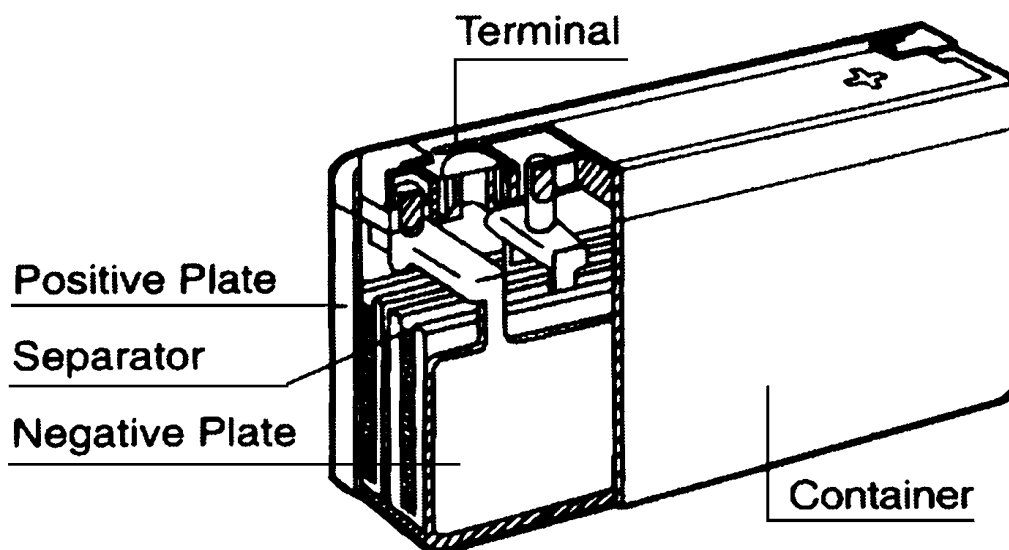


Sealed Lead -Acid Battery Series

Battery Index

Type	Nominal Voltage (V)	Capacity 20hr Rate Ah	Length		Width		Height		Total Height		Weight	
			mm	in	mm	in	mm	in	mm	in	Kgs	lbs
EC- 612	6	1.2	97	3.82	24	0.94	51.5	2.03	57.5	2.26	0.30	0.66
EC- 625	6	2.5	65.5	2.58	32.5	1.28	97	3.82	103	4.06	0.55	1.21
EC- 632	6	3.2	134	5.27	34.5	1.36	60.5	2.38	66.5	2.62	0.60	1.32
EC- 645	6	4.5	70	2.76	46.5	1.83	101	3.98	107	4.21	0.85	1.87
EC- 670	6	7.0	151	5.95	34	1.34	94	3.70	100	3.94	1.35	2.97
EC- 680	6	8.0	151	5.95	50	1.97	94	3.70	100	3.94	1.85	4.07
EC- 6100	6	10.0	151	5.95	50	1.97	94	3.70	100	3.94	2.00	4.40
EC- 6120	6	12.0	151	5.95	50	1.97	94	3.70	100	3.94	2.20	4.84
EC- 1212	12	1.2	97	3.82	43	1.69	52	2.04	58	2.28	0.60	1.32
EC- 1219	12	1.9	177.5	7.00	34.5	1.36	60.5	2.38	66.5	2.62	0.90	1.98
EC- 1223	12	2.3	177.5	7.00	34.5	1.36	60.5	2.38	66.5	2.62	1.00	2.20
EC- 1232	12	3.2	134	5.27	67	2.64	61	2.40	67	2.64	1.20	2.64
EC- 1245	12	4.5	90	3.54	70	2.76	101	3.98	107	4.21	1.85	4.07
EC- 1265	12	6.5	151	5.95	65	2.56	95	3.74	101	3.97	2.60	5.72
EC- 1270	12	7.0	151	5.95	65	2.56	95	3.74	101	3.97	2.80	6.17
EC- 12100	12	10.0	151	5.95	98	3.86	95	3.74	101	3.97	3.80	8.37
EC- 12120	12	12.0	151	5.95	98	3.86	95	3.74	101	3.97	4.00	8.80
EC- 12170	12	17.0	180	7.08	75	2.95	167	6.57	167	6.57	6.30	13.87
EC- 12250	12	25.0	175	6.89	166	6.53	125	4.92	125	4.92	8.90	19.60
EC- 12380	12	38.0	197	7.75	165	6.50	169	6.65	169	6.65	14.00	30.80
EC- 12650	12	65.0	355	13.98	167	6.57	179	7.05	183	7.20	24.00	52.80

Construction



Major Features

Stable Features and High Reliability.

Withstands over charging and discharging, vibrational shock and capable of extended storage.

Maintenance free Operation.

Regular checks of Electrolyte properties is not required.

Heavy Duty Grids.

The heavy duty grids used in the EUROCAP SLA batteries give an extra margin of performance and service life, even with deep discharges.

Long Service Life.

With either float or cyclic charge / discharge cycles.

Low Self Discharge.

Due to the use of Lead Calcium grid alloy. EUROCAP SLA batteries can be stored for long periods without recharge.

Sealed Construction.

The unique construction and sealing technique guarantee that no electrolyte loss can occur.

Low Pressure Venting System.

The low pressure venting system operates between 1 psi to 6 psi.

Battery Charging

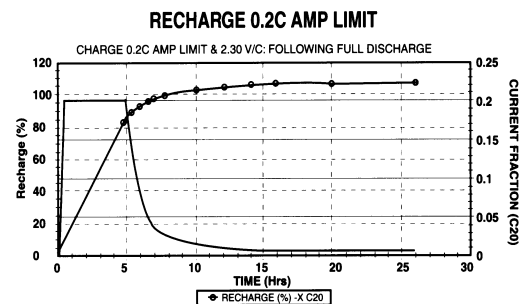
Constant Voltage Charging :

This is the recommended method of charging for SLA batteries. It is necessary to closely control the actual voltage to ensure it is within the advised limits.

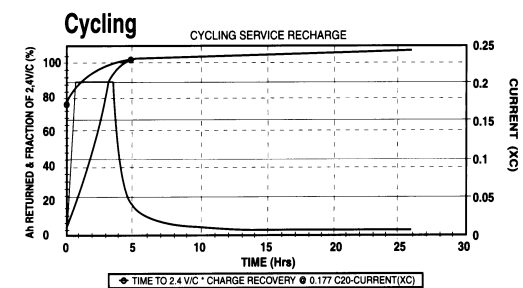
Float Service 2.27 to 2.3 V / Cell @25 °C

Cyclic Service 2.4 to 2.45 V / Cell @25 °C

It is suggested that the initial current be set within 0.2 C Amps.



The graph indicates the time taken to fully charge a fully discharged battery.



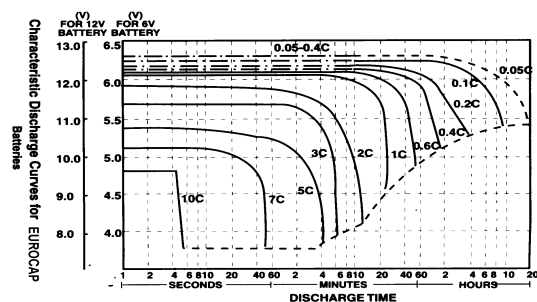
Battery Discharge

The discharge capacity of a lead acid battery varies and is dependent on the discharged current.

EUROCAP SLA batteries are specified

at the 20 hour rate :

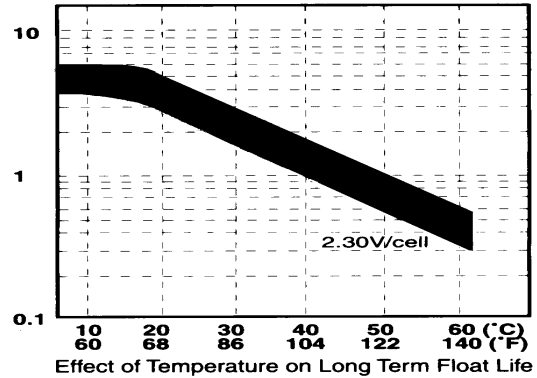
ie 20 hours to discharge to a end voltage of 1.75 V per cell at 25 °C.



Battery Life

Battery Life depends on a number of key factors.

- 1) Operating temperature of the battery.
- 2) Method of charging.
- 3) Actual use of the product eg float charge or cyclic etc.

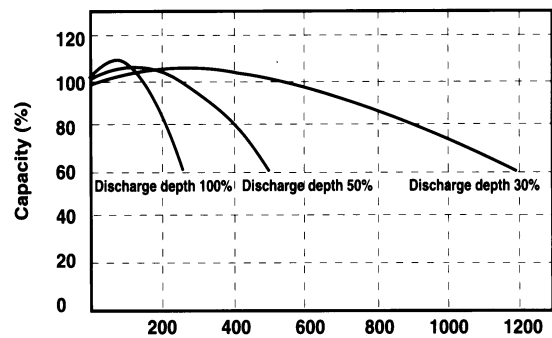


Float Service

The estimated life under float charge service is 3 to 5 years. The float service is effected by the factors listed above and the number and depth of discharges, the battery suffers during its life time.

Basically the more discharges suffered and the deeper the discharges, the shorter the battery life will be.

CYCLE SERVICE LIFE

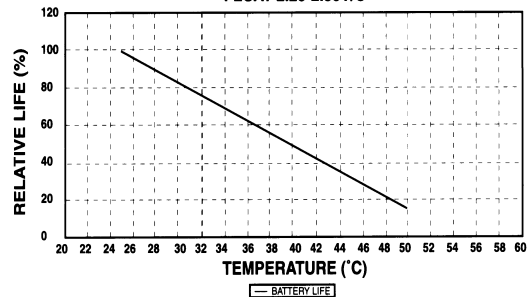


Cycle Service

Giving due consideration to the above factors, the actual life of a battery in cycle service is dependant on the depth of discharge of each cycle.

The greater the depth of discharge of each cycle, the lesser the number of cycles available from the battery.

RELATIVE BATTERY LIFE V'S TEMPERATURE FLOAT 2.25-2.30V/C



Self Discharge Characteristics.

SELF DISCHARGE OF EC BATTERIES

