EDC12-35 (12V 35Ah)

Deep Cycle Batteries

Specifications

Nominal Voltage	12V	
Nominal Capacity(20 Hr)	35Ah	
Dimension	Length	196±1mm(7.72 inches)
	Width	130±1mm(5.12 inches)
	Container Height	155±1mm(6.10 inches)
	Total Height (With terminal)	167±1mm(6.57 inches)
Approx Weight	Approx 10.5 kgs (23.15 lbs)	
Design life	12 years	
Terminal	M6	
Container Material	ABS	
Rated Capacity	35.0Ah/1.75A	(20hr, 1.75V/Cell, 25 ℃/77℉)
	31.9Ah/3.19A	(10hr, 1.80V/Cell, 25 ℃/77℉)
	28.0Ah/5.60A	(5hr, 1.75V/Cell, 25 ℃/77℉)
	19.5Ah/19.5A	(1hr, 1.60V/Cell, 25 ℃/77℉)
Max. Discharge Current	350A(5s)	
Internal Resistance	Appro≤10.6mΩ	
Operating Temp. Range	Discharge: -20 ℃~50 ℃	
	Charge: 0 ℃~40 ℃	
	Storage: -20 ℃~50 ℃	
Nominal Operating Temp. Range	25±3 ℃(77±5℉)	
Cycle Use	Initial Charging Current Less than 7.9A. Voltage 14.4V-15.0V at 25 ℃(77℉) Temp. Coefficient-20mV/C	
Standby Use	No limit on Intital Charging Current Voltage 13.5V-13.8V at 25 ℃(77℉) Temp. Coefficient-20mV/C	
Capacity affected by Temperature	40 ℃(104℉)	103%
	25 ℃(77℉)	100%
	0 ℃(32℉)	86%
Self Discharge	EDC series batteries may be stored for up to 6 months at25 ℃(77℉) and then a freshening charge is required. For higher temperatures the time interval will be shorter.	

Application

- All purpose
- Uninterruptable Power Supply(UPS)
- Electric Power System(EPS)
- Emergency backup power supply
- Emergency light
- Railway signal
- Aircraft signal
- Alarm and security system
- Electronic apparatus & equipment
- Communication power supply
- DC power supply
- Auto controlsystem

Constant Current Discharge (Amperes) at 25 ℃ (77F)

F.V/Time	15min	30min	45min	1h	2h	3h	5h	8h	10h	20h	100h
1.60V	45.0	28.8	21.1	19.5	12.4	8.7	5.9	3.9	3.47	1.86	0.42
1.67V	44.2	28.2	20.8	19.1	12.1	8.5	5.8	3.8	3.40	1.82	0.41
1.70V	43.4	27.7	20.4	18.7	11.9	8.4	5.7	3.7	3.33	1.79	0.40
1.75V	42.6	27.2	20.0	18.4	11.7	8.2	5.6	3.7	3.29	1.75	0.40
1.80V	41.0	26.1	19.2	17.7	11.2	7.9	5.4	3.5	3.19	1.73	0.39

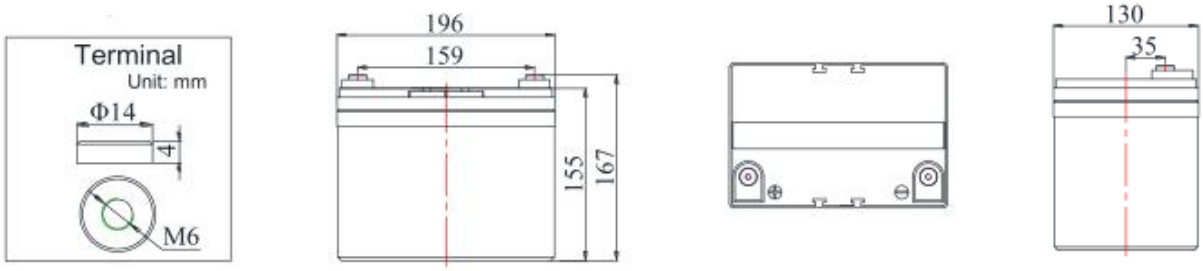
Constant Power Discharge (Watts) at 25 ℃ (77F)

F.V/Time	15min	30min	45min	1h	2h	3h	5h	8h	10h	20h	100h
1.60V	86.7	55.4	40.7	37.3	23.7	16.7	11.3	7.5	6.7	3.6	0.81
1.67V	85.1	54.4	39.9	36.7	23.3	16.4	11.1	7.4	6.5	3.5	0.79
1.70V	83.5	53.3	39.2	36.0	22.9	16.1	10.9	7.2	6.4	3.5	0.78
1.75V	82.0	52.3	38.5	35.3	22.4	15.8	10.7	7.1	6.3	3.5	0.76
1.80V	78.8	50.3	37.0	34.0	21.6	15.2	10.3	6.8	6.1	3.4	0.75

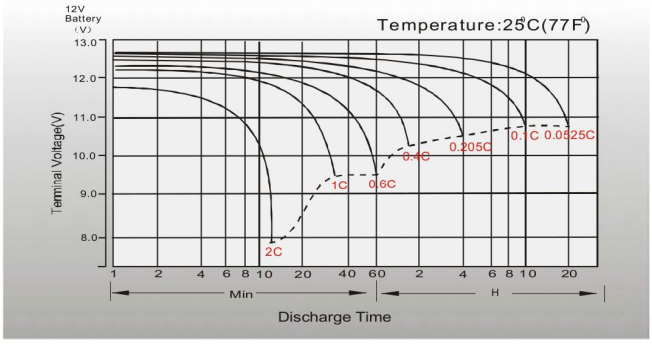
EDC12-35 (12V 35Ah)

Deep Cycle Batteries

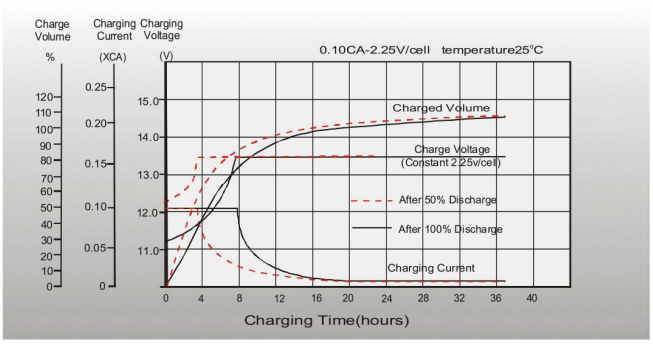
Dimensions



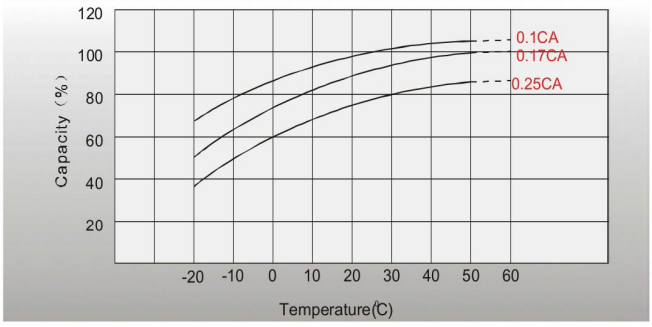
Discharge Characteristics



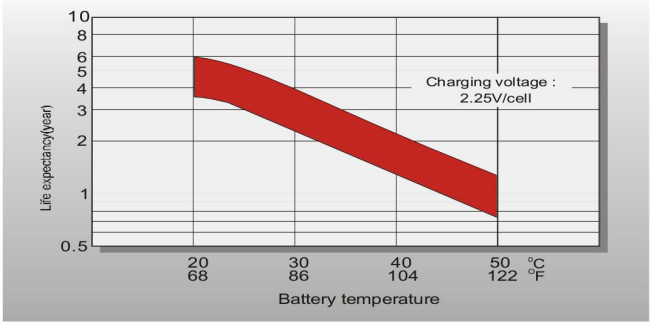
Float Charging Characteristics



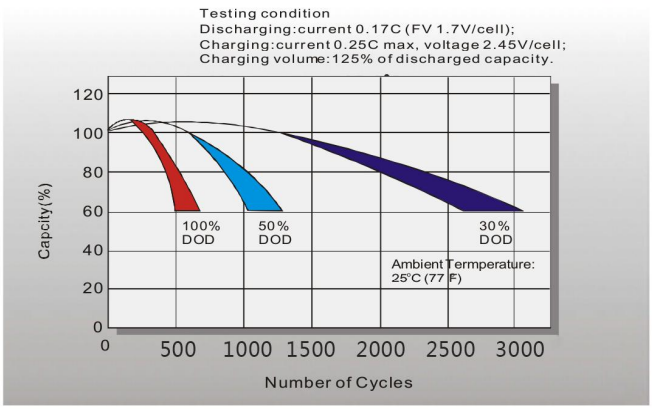
Temperature Effects in Relation to Battery Capacity



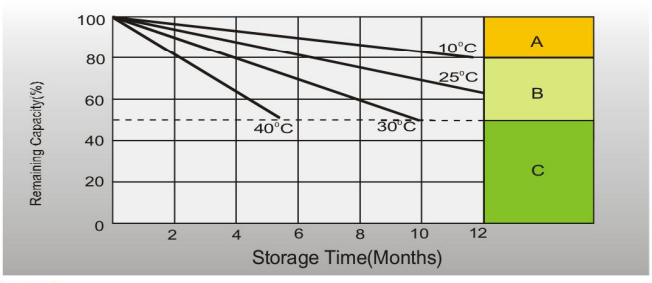
Effect of Temperature on Long Term Float Life



Cycle life in Relation to Depth of Discharge



Self-discharge Characteristics



A No supplementary charge required.
(Carry out supplementary charge before use if 100% capacity is required.)

B Supplementary charge required before use.Optional charging way as below:
1.Charged for above 3 days at limted current 0.25CA and constant volatge 2.25V/cell.
2.Charged for above 20 hours at limted current 0.25CA and constant volatge 2.45V/cell.
3.Charged for 8~10 hours at limited current 0.05CA .

C Supplementary charge may often fail to recover the capacity.
The battery should never be left standing till this is reached.

Specifications subject to change without prior notice.

Gadgetmática Lda. | Rua dos Soeiros, 330-B, 1500-584 Lisboa
+351 217 269 164 | info@lxbattery.com