

EDC12-200 (12V 200Ah)
Specifications

Nominal Voltage	12V	
Nominal Capacity(20 Hr)	200Ah	
Dimension	Length	532±1mm(20.95 inches)
	Width	206±1mm(8.11 inches)
	Container Height	215±1mm(8.46 inches)
	Total Height (With terminal)	220±1mm(8.66 inches)
Approx Weight	Approx. 59kgs (120.71 lbs)	
Design life	12 years	
Terminal	M8	
Container Material	ABS	
Rated Capacity	200.00Ah/10.00A	(20hr, 1.75V/Cell, 25 °C/77°F)
	182.00Ah/18.20A	(10hr, 1.80V/Cell, 25 °C/77°F)
	160.00Ah/32.00A	(5hr, 1.75V/Cell, 25 °C/77°F)
	111.2Ah/111.20A	(1hr, 1.60V/Cell, 25 °C/77°F)
Max. Discharge Current	2000A(5s)	
Internal Resistance	Appro≤3.4mΩ	
Operating Temp. Range	Discharge: -20 °C~50 °C	
	Charge: 0 °C~40 °C	
	Storage: -20 °C~50 °C	
Nominal Operating Temp. Range	25±3 °C(77±5°F)	
Cycle Use	Initial Charging Current Less than 36A. Voltage 14.4V-15.0V at 25 °C(77°F) Temp. Coefficient-20mV/C	
Standby Use	No limit on Intital Charging Current Voltage 13.5V-13.8V at 25 °C(77°F) Temp. Coefficient-20mV/C	
Capacity affected by Temperature	40 °C(104°F)	103%
	25 °C(77°F)	100%
	0 °C(32°F)	86%
Self Discharge	EDC series batteries may be stored for up to 6 months at25 °C(77°F) 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 securitysystem
- ◆ Electronic apparatus & equipment
- ◆ Communication power supply
- ◆ DC power supply
- ◆ Auto controlsystem

Constant Current Discharge (Amperes) at 25 °C (77F)

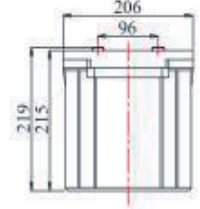
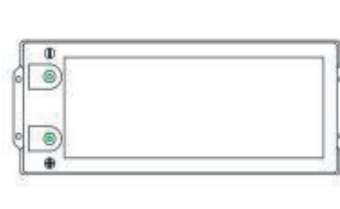
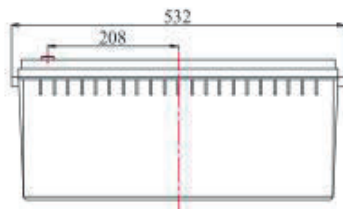
F.V/Time	15min	30min	45min	1h	2h	3h	5h	8h	10h	20h	100h
1.60V	257.4	164.4	120.8	111.2	70.6	49.6	33.6	22.2	19.80	10.60	2.40
1.67V	252.8	161.4	118.6	109.0	69.2	48.6	33.0	21.8	19.40	10.40	2.36
1.70V	248.0	158.4	116.4	107.0	68.0	47.8	32.4	21.4	19.00	10.20	2.30
1.75V	243.4	155.4	114.2	105.0	66.6	46.8	31.8	21.0	18.80	10.00	2.26
1.80V	234.0	149.4	109.8	101.0	64.0	45.0	30.6	20.2	18.20	9.90	2.22

Constant Power Discharge (Watts) at 25 °C (77F)

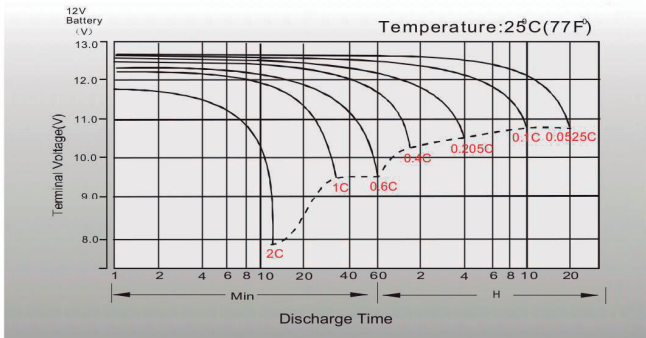
F.V/Time	15min	30min	45min	1h	2h	3h	5h	8h	10h	20h	100h
1.60V	495.4	316.4	232.6	213.4	135.6	95.2	64.8	42.6	38.2	20.7	4.62
1.67V	486.4	310.6	228.2	209.6	133.2	93.6	63.6	42.0	37.4	20.2	4.52
1.70V	477.4	304.8	224.0	205.6	130.8	91.8	62.4	41.2	36.8	20.1	4.44
1.75V	468.4	299.0	219.8	201.8	128.2	90.0	61.2	40.4	36.0	19.8	4.36
1.80V	450.4	287.6	211.4	194.0	123.4	86.6	59.0	38.8	34.6	19.2	4.28

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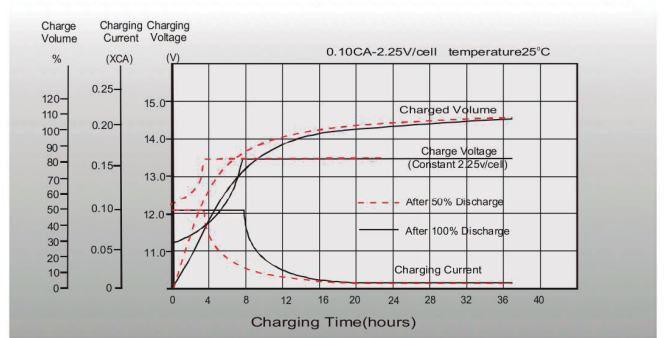
Dimensions



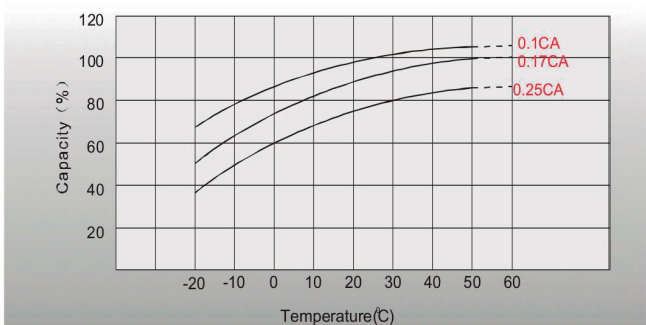
Discharge Characteristics



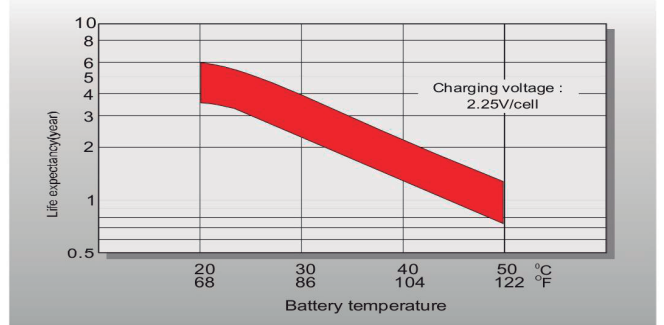
Float Charging Characteristics



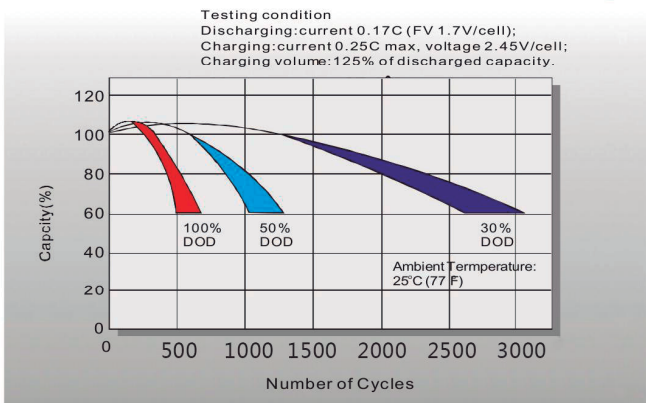
Temperature Effects in Relation to Battery Capacity



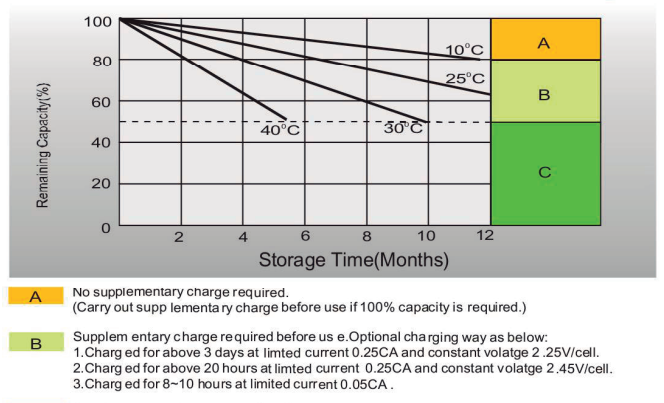
Effect of Temperature on Long Term Float Life



Cycle life in Relation to Depth of Discharge



Self-discharge Characteristics



Specifications subject to change without prior notice.