

## EDC6-335 (6V 335Ah)

### Specifications

Nominal Voltage	6V	
Nominal Capacity(20 Hr)	335Ah	
Dimension	Length	295±1mm( 11.62 inches)
	Width	178±1mm( 7.01 inches)
	Containeriner Height	346±1mm( 13.62 inches)
	Total Height (With terminal)	350±1mm(13.78 inches)
	Approx Weight	Approx46kgs(101.42 lbs)
Design life	12 years	
Terminal	DT	
Container Material	ABS	
Rated Capacity	335.0Ah/16.75A	(20hr, 1.75V/Cell, 25 °C/77°F)
	305.0Ah/30.50A	(10hr, 1.80V/Cell, 25 °C/77°F)
	266.4Ah/53.28A	(5hr, 1.75V/Cell, 25 °C/77°F)
	186.4Ah/186.4A	(1hr, 1.60V/Cell, 25 °C/77°F)
Max. Discharge Current	2000A(5s)	
Internal Resistance	Appro≤2.2mΩ	
Operating Temp. Range	Discharge: -20 °C~50 °C	
	Charge: -20 °C~50 °C	
	Storage: -20 °C~50 °C	
Nominal Operating Temp. Range	25±3 °C(77±5°F )	
Cycle Use	Initial Charging Current Less than 45 A. Voltage 7.2V-7.45V at 25 °C(77°F ) Temp. Coefficient-20mV/C	
	Standby Use No limit on Intital Charging Current Voltage 6.8V-6.9V at 25 °C(77°F ) Temp. Coefficient-20mV/C	
Capacity affected by Temperature	40 °C( 104°F )	102%
	25 °C( 77°F )	100%
	0 °C( 32°F )	85%
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 )

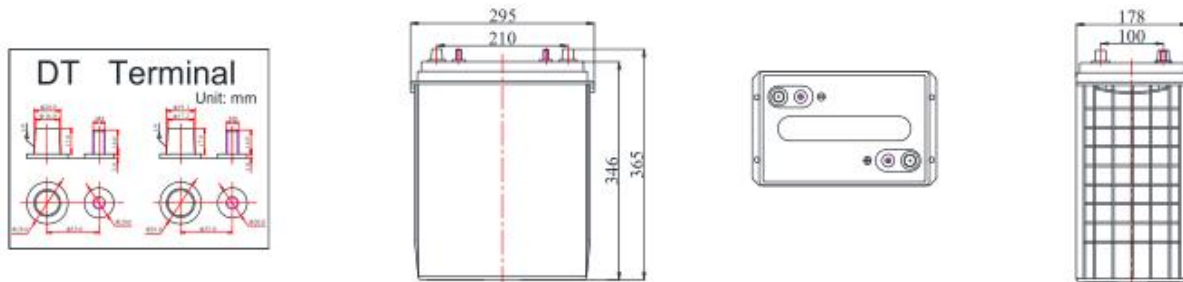
F.V/Time	15 min	30 min	45 min	1h	2h	3h	5h	8h	10h	20h	100h
<b>1.60V</b>	431.48	273.42	202.53	186.40	118.39	83.18	56.36	37.20	33.19	17.77	4.02
<b>1.67V</b>	423.70	270.47	198.80	182.68	115.96	81.48	55.31	36.55	32.51	17.43	3.96
<b>1.70V</b>	415.52	265.37	195.00	179.28	113.93	80.10	54.25	35.82	31.83	17.09	3.85
<b>1.75V</b>	407.66	260.26	191.27	175.88	111.59	78.41	53.28	35.18	31.49	16.75	3.79
<b>1.80V</b>	392.13	250.33	184.01	169.25	107.25	75.41	51.31	33.83	30.50	16.59	3.72

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

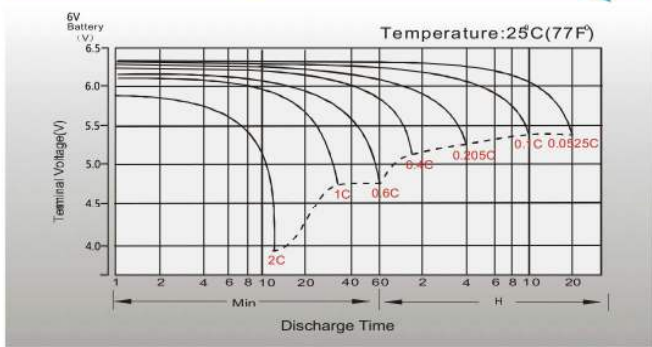
F.V/Time	15 min	30 min	45 min	1h	2h	3h	5h	8h	10h	20h	100h
<b>1.60V</b>	830.46	530.39	389.97	389.97	227.35	159.58	108.65	71.45	64.02	34.65	7.74
<b>1.67V</b>	815.16	520.59	382.44	351.31	223.22	156.90	106.62	70.39	62.65	33.92	7.57
<b>1.70V</b>	799.85	510.71	375.31	344.51	219.17	153.83	104.52	69.01	61.67	33.67	7.44
<b>1.75V</b>	784.54	500.83	368.18	338.03	214.72	150.75	102.49	67.64	60.30	33.18	7.31
<b>1.80V</b>	754.73	481.98	354.22	325.10	206.76	145.15	98.87	65.04	58.01	32.16	7.17

# EDC6-335 (6V 335Ah)

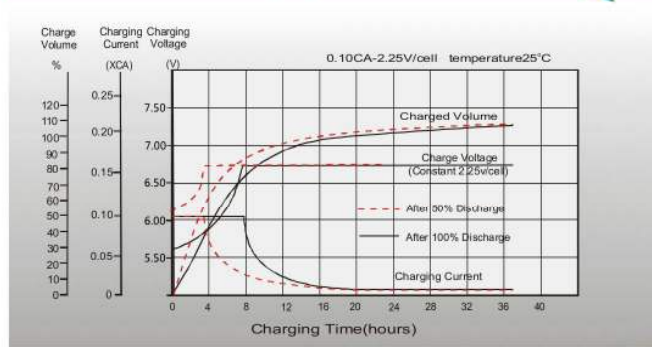
## Dimensions



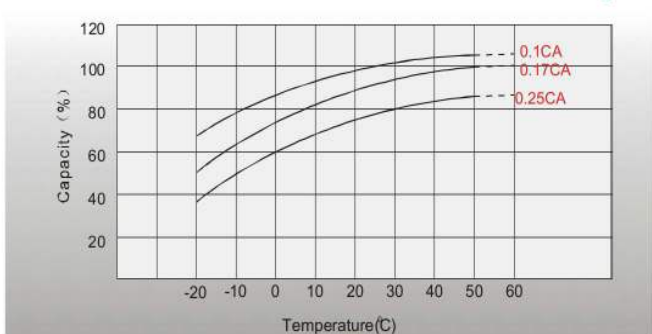
## Discharge Characteristics



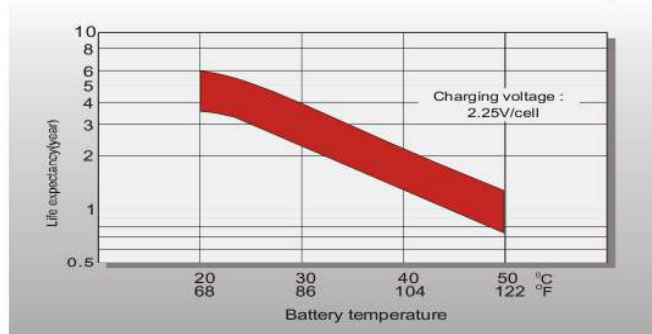
## Float Charging Characteristics



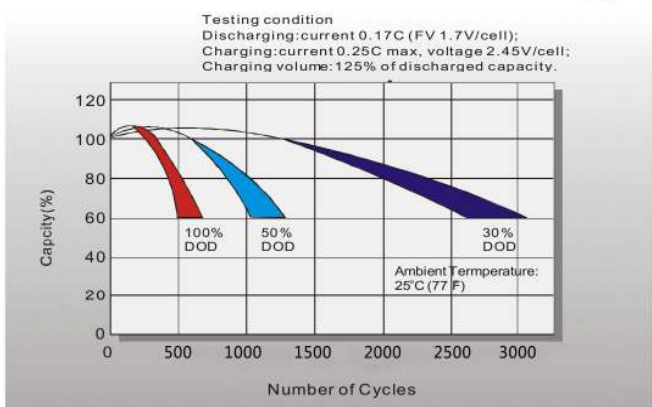
## Temperature Effects in Relation to Battery Capacity



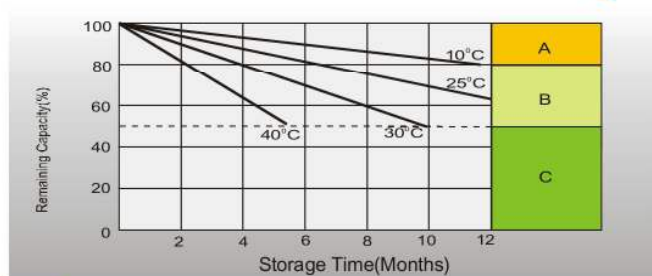
## Effect of Temperature on Long Term Float Life



## 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 limited current 0.25CA and constant voltage 2.25V/cell.  
2. Charged for above 20 hours at limited current 0.25CA and constant voltage 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.