

# EB12-75

12V75Ah / 10hr rate



## Introduction

**Generagy EB series** is designed for European standard with 12-year design life in float service. The series battery is featured of high consistency, excellent performance and reliable standby service life. It is widely applied in float service, UPS/EPS, medical equipment, telecom, photovoltaic, control system and security system.

## Battery Features

- Increase durability and deep cycle ability for heavy demand applications
- Low self-discharge
- Fully tank formed plates
- Low impurity electrolyte
- Spill proof / leak proof
- Multi-position usage
- ABS case and cover VO upon request
- Very high purity lead

## Electrical Specification

Design floating Life @ 20°C (68°F)	10 years
Nominal Capacity @ 25°C /77°F	
20 hour rate 3.92A to 1.75Vpc	78 Ah
10 hour rate 7.5A to 1.80Vpc	75 Ah

### Internal Resistance

(Fully charged battery @ 25°C /77°F) ..... 6mΩ

Max. Discharge Current @ 25°C /77°F ..... 750 A (5S)

### Charge Methods: Constant voltage charge @ 25°C /77°F

Cycle Use ..... 14.7 ~ 14.9V

Max. Current ..... 18 A

Standby Use ..... 13.6 - 13.8V

Operating Temperature Range ..... -30 ~ 50°C

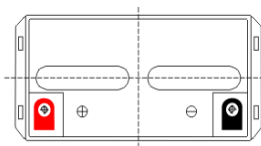
Notes: battery voltage must be adjusted according to temperature.

Please refer to our recommendation.

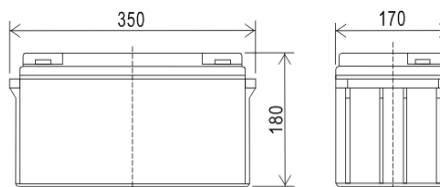
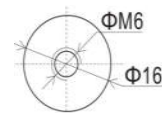
### Self-Discharge

3% of capacity declined per month @ 25°C (77°F).

## Battery Picture & Terminal Layout



Terminal Type: T12



## Dimension & Weight

Length	Dimension (± 2mm)			Weight (± 2%)
	Width	Height	Total Height	
350 mm	170 mm	180 mm	180 mm	22.1 kg
13.8 inch	6.7 inch	7.1 inch	7.1 inch	48.7 lbs

## Typical Applications

- UPS & EPS    ○ Telecommunications    ○ Power Utility    ○ Security Power Supply

## Certificates



## Constant Current Discharge (Amperes @ 25°C /77°F)

V/cell	10min	15min	20min	25min	30min	35min	40min	45min	50min	55min	1hr	2hr	3hr	4hr	5hr	10hr	20hr
1.60	176.71	134.90	116.53	98.17	83.09	75.53	70.43	65.33	61.09	57.41	54.70	30.31	21.57	17.91	14.65	7.69	3.95
1.65	167.80	128.09	111.26	94.42	80.87	73.53	68.68	63.84	59.84	56.42	53.96	29.73	21.16	17.54	14.31	7.65	3.95
1.70	160.87	122.80	106.86	90.92	78.27	71.09	66.44	61.78	57.98	54.74	52.47	28.72	20.67	17.13	13.97	7.58	3.95
1.75	153.45	117.14	102.10	87.06	75.30	68.41	64.07	59.73	56.24	53.32	51.36	27.93	20.22	16.75	13.67	7.53	3.92
1.80	145.53	111.09	97.08	83.06	72.33	65.66	61.57	57.48	54.25	51.58	49.87	26.93	19.73	16.34	13.33	7.50	3.88

## Constant Power Discharge (Watts/cell @ 25°C /77°F)

V/cell	10min	15min	20min	25min	30min	35min	40min	45min	50min	55min	1hr	2hr	3hr	4hr	5hr	10hr	20hr
1.60	306.90	234.27	206.17	178.07	155.22	141.45	131.39	121.34	112.80	105.59	99.73	56.04	40.78	33.84	27.87	15.34	8.24
1.65	296.01	225.96	199.27	172.58	151.14	137.70	128.03	118.35	110.19	103.36	97.87	54.90	40.40	33.46	27.49	15.19	8.24
1.70	284.62	217.27	191.87	166.46	146.32	133.33	124.16	114.99	107.33	101.00	96.01	53.58	39.65	32.88	27.08	14.90	8.13
1.75	272.25	207.82	183.84	159.85	141.12	128.58	119.92	111.25	104.10	98.28	93.78	51.87	38.53	32.07	26.59	14.79	7.98
1.80	258.88	197.62	175.18	152.74	135.55	123.46	115.30	107.14	100.49	95.18	91.18	50.04	37.51	31.27	25.99	14.64	7.91

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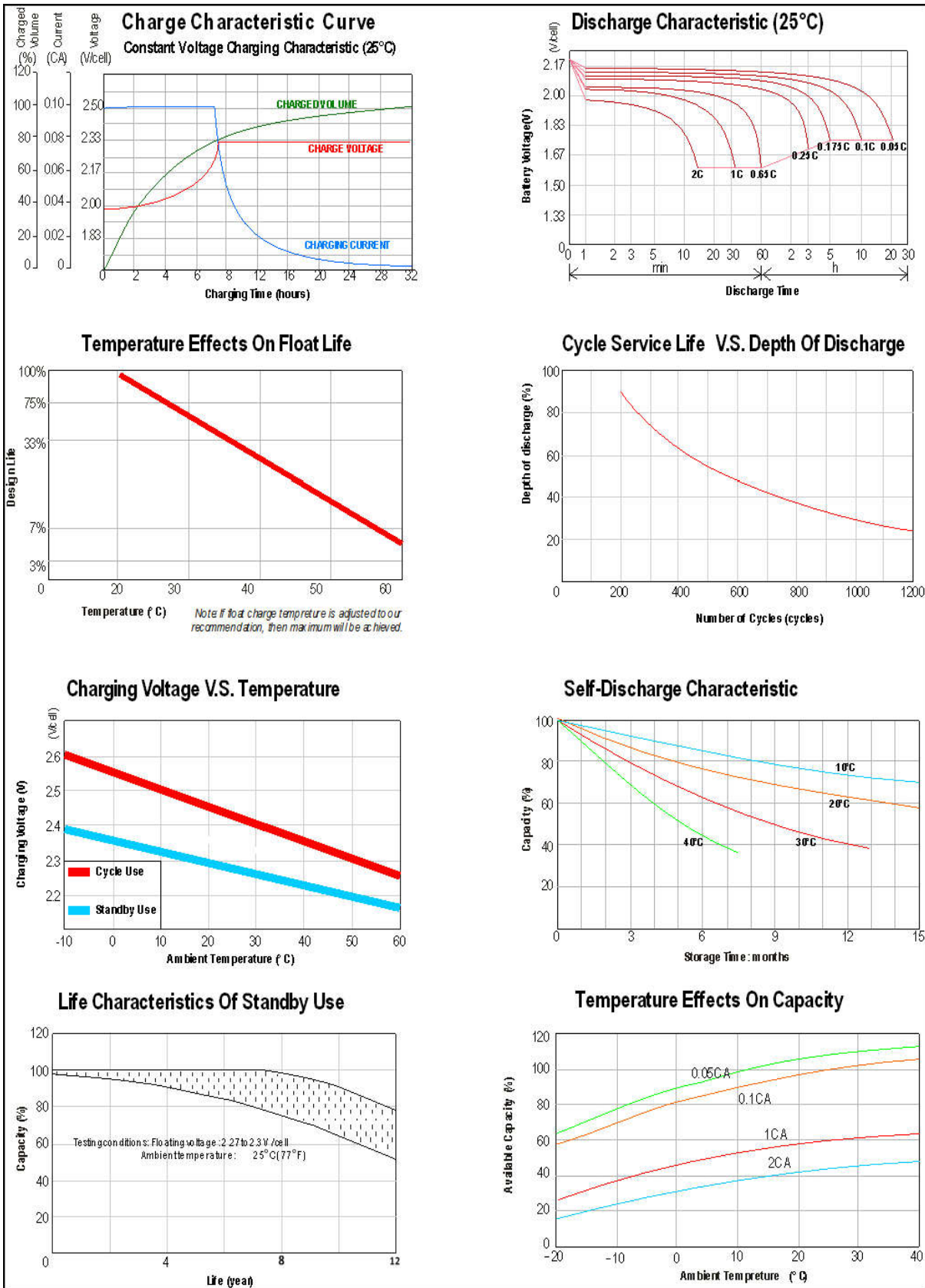
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Graphs



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