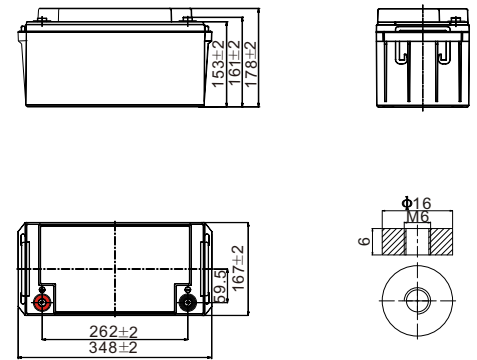


## JM12-65 Specifications

Rated Voltage	12V	
Nominal Capacity (C <sub>20</sub> , 1.75V/cell)	65.0Ah	
Dimension	Length	348±2mm (13.7 in.)
	Width	167±2mm (6.57 in.)
	Container Height	178±2mm (7.01 in.)
	Total Height	178±2mm (7.01 in.)
Approx Weight	19.2 Kg (42.3 lbs)	
Terminal	M6	
Container Material	ABS	
Rated Capacity (25°C)	65.0 Ah	C20(3.25A, 1.75V/cell)
	59.8 Ah	C10(5.98A, 1.75V/cell)
	53.0 Ah	C5(10.6A, 1.75V/cell)
	47.7 Ah	C3(15.9A, 1.75V/cell)
	38.0 Ah	C1(38.0A, 1.67V/cell)
Max. Discharge Current	598A (5s)	
Internal Resistance (25°C)	Approx 7.4mΩ	
Operating Temp. Range	Discharge	-20 ~ 55°C (-4 ~ 131°F)
	Charge	0 ~ 40°C (32 ~ 104°F)
	Storage	-15 ~ 50°C (5 ~ 122°F)
Nominal Operating Temp. Range	25±5°C (77±5°F)	
(25°C)Max. Charging Current	17.9A	
(25°C) Charge voltage	Float	13.5V
	Temp. Coefficient	-3mV/cell /°C
	Cycle(Equalization)	14.1~14.4V
Effect of temp. to Capacity	40°C (104°F)	106%
	25°C (77°F)	100%
	0°C (32°F)	86%
Self Discharge	≤3%M @ 25°C	



## Layout



## 25 °C Constant Current Discharge (A)

F.V/Time	5min	10min	15min	20min	30min	45min	1h	1.5h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	117.2	87.7	72.8	61.6	47.7	36.3	31.3	23.7	19.0	14.3	11.5	9.6	8.37	6.62	5.52	3.04
1.80V/cell	136.7	103.4	84.7	71.0	53.9	40.6	34.6	25.9	20.7	15.5	12.4	10.4	8.98	7.09	5.89	3.21
1.75V/cell	149.1	110.8	89.6	74.5	56.3	42.2	35.9	26.8	21.4	15.9	12.7	10.6	9.17	7.22	5.98	3.25
1.70V/cell	161.5	118.2	94.7	78.4	58.8	43.8	37.2	27.7	22.0	16.4	13.0	10.8	9.36	7.34	6.07	3.29
1.67V/cell	168.6	122.5	97.6	80.6	60.3	44.8	38.0	28.2	22.4	16.6	13.2	11.0	9.47	7.42	6.13	3.32
1.60V/cell	185.9	132.6	104.7	85.8	63.7	47.1	39.9	29.4	23.3	17.2	13.6	11.3	9.74	7.60	6.26	3.37

## 25 °C Constant Power Discharge (W)

F.V/Time	5min	10min	15min	20min	30min	45min	1h	1.5h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	222.8	167.8	139.9	118.7	92.1	70.4	60.9	46.2	37.2	28.1	22.5	18.9	16.5	13.1	10.9	6.05
1.80V/cell	255.8	195.5	161.0	135.4	103.3	78.1	66.9	50.2	40.3	30.3	24.2	20.3	17.7	14.0	11.6	6.38
1.75V/cell	274.8	207.1	168.5	140.7	107.0	80.6	68.9	51.6	41.3	31.0	24.7	20.7	18.0	14.2	11.8	6.45
1.70V/cell	292.8	218.0	176.1	146.6	110.7	83.1	70.9	53.0	42.4	31.7	25.3	21.1	18.3	14.4	12.0	6.53
1.67V/cell	302.8	224.2	182.1	149.8	112.9	84.5	72.0	53.8	43.0	32.1	25.6	21.4	18.5	14.6	12.1	6.57
1.60V/cell	325.3	237.6	190.0	157.0	117.8	87.9	74.8	55.7	44.4	33.1	26.3	21.9	18.9	14.9	12.3	6.68



# BAYKEE

**AEROSPACE BAYKEE (GUANGDONG) TECHNOLOGY CO.,LTD**  
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 Tel: +86 757 82207158 Fax: +86 757 82207159  
 Website: www.baykee.com www.upsindustry.com

### Applications

- Telecommunications
- UPS、 Data Center
- Energy Storage 、 Electric Systems
- Emergency Lighting、 Security
- Medical、 Electronic Equipment

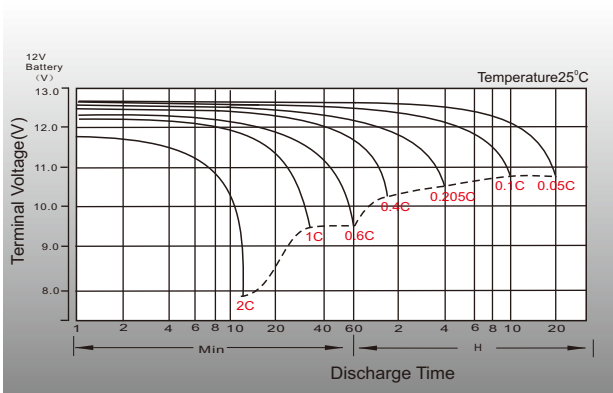
### General Features

- Self-discharge rate is extremely low
- Wide range of operating temperature
- Good sealing performance
- Good conductivity
- Excellent charge acceptance
- Safe and reliable explosion-proof exhaust system

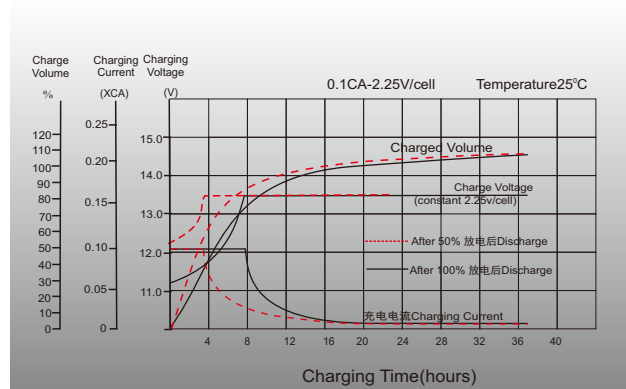
### Standards

- Compliance with IEC 60896 and YD/T 799 standards
- UL Certified, TLC Certified
- Manufactured in Leoch®TS16949, OHSAS 18001, ISO 9001 and ISO 14001 certified production facilities

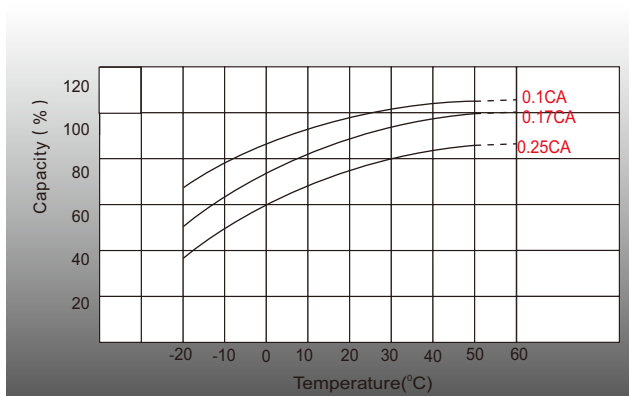
### Discharge Characteristics



### Float Charging Characteristics



### Temperature Effects in Relation to Battery Capacity



### Temperature Effects on Long Term Float Life

