

CB6-4.5 (6V4.5Ah)

1. Features:

- * Maintenance-free operation
- * Stable quality and high reliability
- * Compact design
- * 5 years design life



2. Applications:

- * UPS
- * Backup power for testing and measuring instruments
- * Emergency lighting
- * Fire alarm and security systems
- * Telecommunication system

3. Specifications:

Normal Voltage		6 V
Rated Capacity (20 hour rate)		4.5 AH
Dimensions	Length	70 mm ±2
	Width	47 mm ±2
	Height	101 mm ±2
Total Height		106 mm ±2
Total Weight		0.862 KG
Terminal Shape		F9



CB series

4. Service Temperature Range:

Conditions	Temperature
Discharge	-20°C to 50°C
Charge	0°C to 40°C
Stand-by	-20°C to 40°C

5. Capacity affecting by Storage:

Storage Period (after fully charged)	Capacity	Temperature 20°C ± 2°C
3 months	90% or above	
6 months	80% or above	
12 months	60% or above	

6. Constant Current Discharge Table (AMPS)

Time	Final Voltage Per Cell					
	1.60V	1.70V	1.75V	1.60V	1.70V	1.75V
	At 25°C			At 5°C		
0.5 min	48.7	37.5	27	41.7	33.6	24.3
1 min	42.8	33.6	24.8	37.1	30.9	22
2 min	37.9	30.5	22.5	32	27.8	20.5
3 min	29.8	24.3	18	25.1	22	16.3
6 min	21.9	18.4	15.8	18.2	16.4	12.3
10 min	13.9	13.1	12.4	13.5	12.3	10
20 min	8	7	7.5	5.9	5.8	5.7
30 min	5.5	5	4.5	4.7	4.4	4.3
60 min	3	2.8	2.7	2.7	2.6	2.5
2 hr	1.75	1.65	1.5	1.55	1.49	1.44
3 hr	1.25	1.22	1.2	1.23	1.2	1.13
5 hr	0.82	0.76	0.72	0.74	0.72	0.67
10 hr	0.57	0.52	0.4	0.46	0.41	0.36

7. Constant Current Discharge Table (WATT)

Time	Final Voltage Per Cell					
	1.60V	1.70V	1.75V	1.60V	1.70V	1.75V
	At 25°C			At 5°C		
0.5 min	70.2	60.3	42.8	64.5	51.8	38.6
1 min	60.7	51.8	36.8	56.4	45.6	34.8
2 min	54.1	46.8	33.4	50.3	41.7	32.4
3 min	42.5	37.9	26.6	40.6	33.1	25.5
6 min	31.1	27.8	23.6	30.3	26	20.5
10 min	23.6	20.6	19.9	20.1	19.1	17.2
20 min	13	11.9	12	12.5	11.4	10.8
30 min	8.9	8.5	6.4	8.1	6.6	6
60 min	5.6	5.5	4.9	4.8	4.6	4.2
2 hr	3.3	3.19	3	2.99	2.88	2.58
3 hr	2.58	2.47	2.3	2.37	2.27	2.06
5 hr	1.65	1.6	1.5	1.44	1.39	1.34
10 hr	1.03	0.93	0.8	0.93	0.82	0.72