



NON-SPILLABLE SEALED RECHARGEABLE BATTERY

CB12650 (12V65AH/10HR)



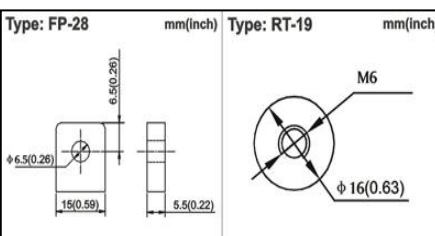
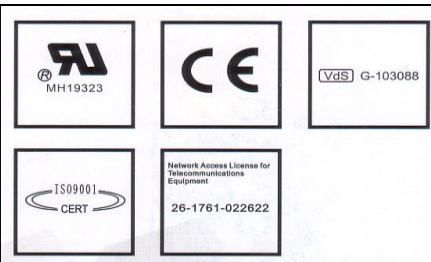
Contributing to the future

TOTAL BATTERY SERVICE SYSTEM

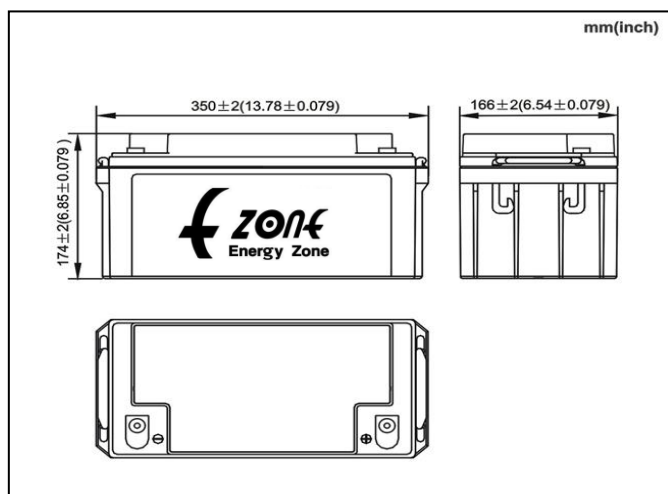
Specification

공칭전압	12V
정격용량	65Ah @ 10hr rate to 1.75V per cell @ 20°C
5시간율	59.10Ah @ 5hr rate to 1.70V per cell @ 20°C
제품중량	Avg. 22.70kg
단락전류	1300A (0.1sec)
내부저항	Approx. 7mΩ @ 25°C, Full charging
최대충전전류	26.0 Ampere(A)
정전압 충전 특성 (@ 25°C)	부동충전 2.275 ± 0.025V/cell (-3.3mV/°C /cell) 사이클 2.450 ± 0.050V/cell (-5.0mV/°C /cell)
수명특성	부동충전 용도 3~5년 @ 20°C 사이클 용도 30% DOD 1300 cycles 50% DOD 600 cycles 100% DOD 270 cycles
용량보존 특성(@ 25°C)	3개월후 92%, 6개월후 85%, 12개월후 70%
용량과 온도의 관계	@ 40°C 102%, @ 20°C 100%, @ 0°C 85%, @ -10°C 72%
단자형식 / 케이스재질	FP-28 / RT-19 / General ABS resin
제품 치수 (mm)	L 350 W 166 T 174 TH 174 (Unit : mm)

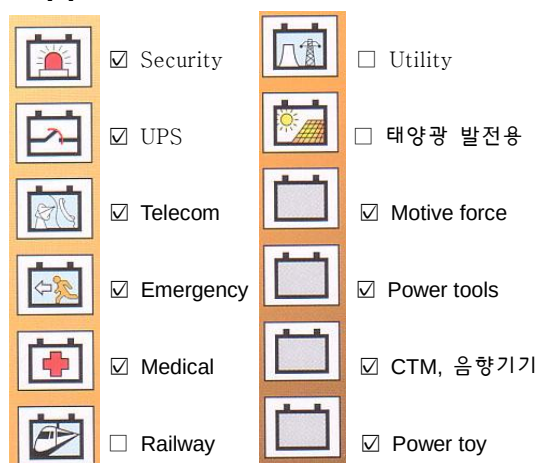
Certification



Dimension



Application



Constant current discharge characteristics(@25°C)

V/cell	1'	5'	10'	20'	30'	40'	50'	1h	2h	3h	5h	8h	10h	20h
1.90	122.00	104.80	90.30	67.00	59.10	38.70	34.60	31.70	19.80	15.30	10.00	6.31	5.42	3.01
1.85	185.00	118.20	106.60	73.00	64.40	44.20	38.50	35.14	21.59	16.33	10.74	7.39	5.91	3.15
1.80	203.10	165.30	140.33	78.30	66.30	52.00	43.33	39.39	23.81	17.52	11.40	7.73	6.19	3.30
1.75	232.10	176.50	146.70	81.30	68.40	54.60	44.80	40.40	24.53	18.06	11.61	8.10	6.50	3.39
1.70	247.00	186.70	157.30	85.50	72.20	56.00	46.40	41.40	25.49	18.31	11.82	8.19	6.66	3.50
1.65	278.70	195.10	174.17	91.55	74.71	58.04	49.62	41.94	26.42	19.40	12.62	8.56	6.84	3.55
1.60	291.00	208.00	189.00	97.00	77.00	64.40	54.20	42.90	27.10	20.30	13.08	8.90	7.07	3.63

그림1

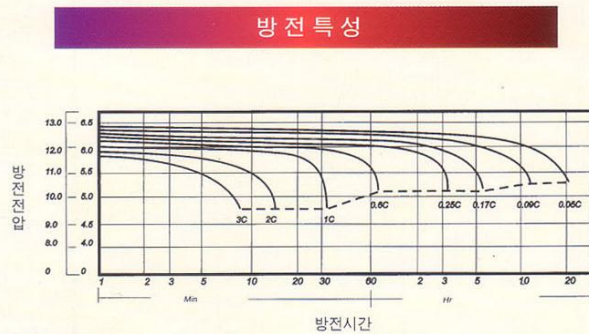


그림4

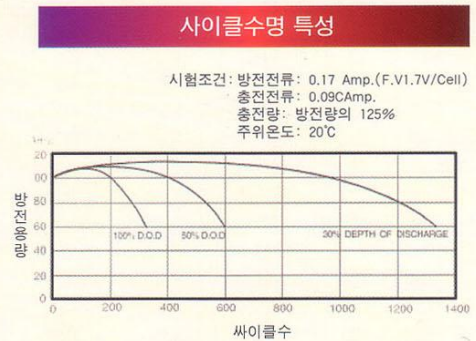


그림2

충전 기준표

적용	충전방법	충전전압 AT 25°C (V/cell)	온도보상계수 (mV/°C/cell)	최대 충전전류 (A)	충전시간 0.1CA@25°C(hr)	
					100% 충전시	50% 방전시
부동서비스	정전압 충전	2.25 ~ 2.30	-3.3 (-1.8mV/°C/cell)	0.4C	T>24	T>20
사이클서비스		2.40 ~ 2.50	-5 (-2.8mV/°C/cell)	0.4C	16<T<24	10<T<24

5°C ~ 35°C 사이 사용시 충전전압 온도 보상계수는 필요하지 않음

그림5

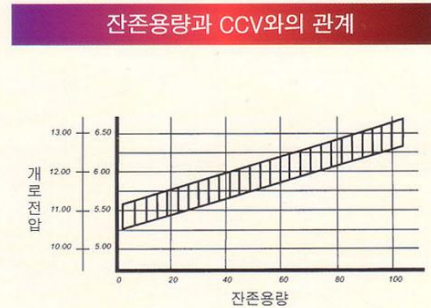


그림3

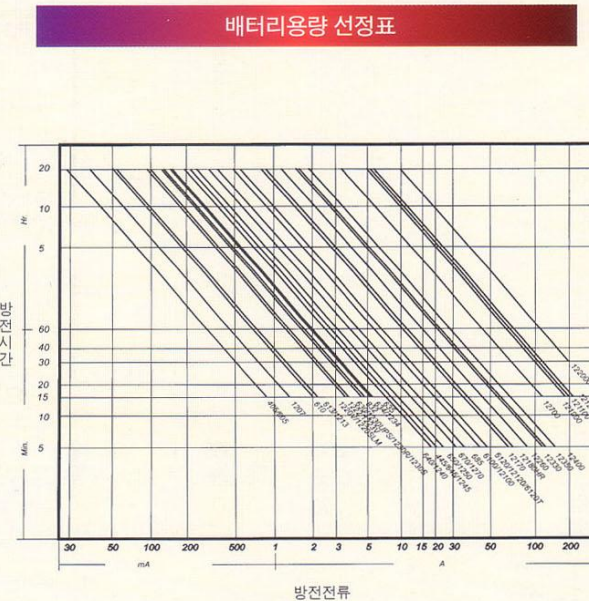


그림6

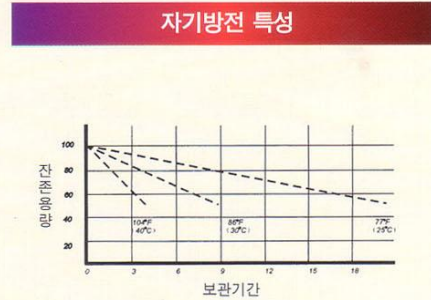


그림7

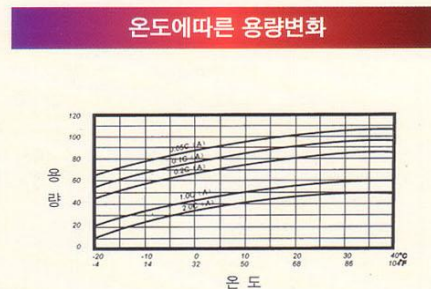


그림8

부동수명 특성

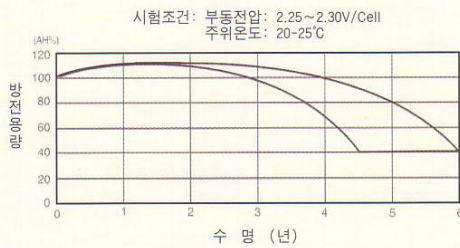


그림9

온도와 수명과의 관계

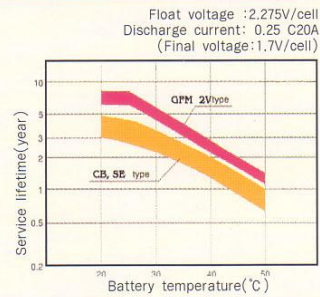


그림10

충전 특성 I

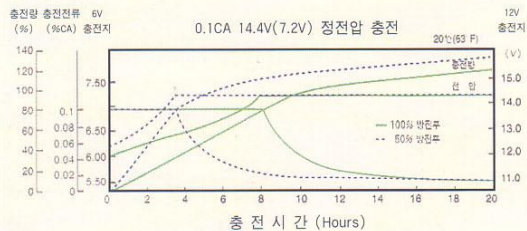
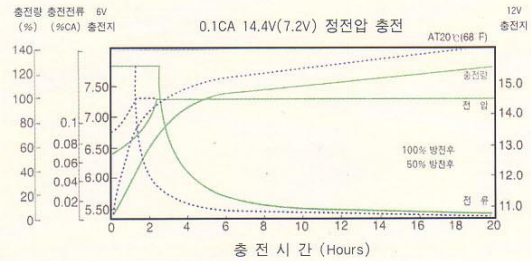


그림11

충전 특성 II



Energy Zone Battery System

Contributing to the future
TOTAL BATTERY SERVICE SYSTEM