



NON-SPILLABLE SEALED RECHARGEABLE BATTERY

HR1223W (12V5.0AH/20HR)

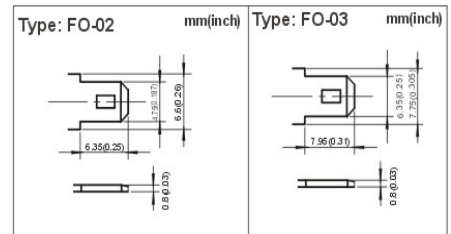
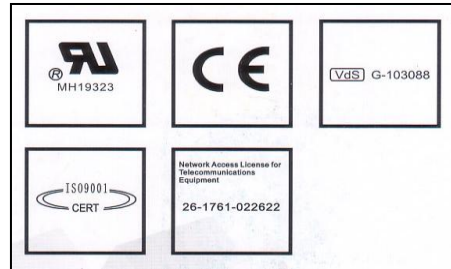


Contributing to the future

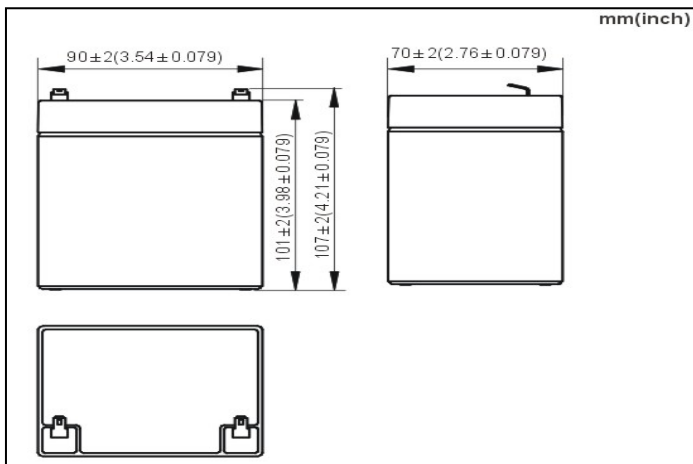
Specification

공칭전압	12V
정격용량(High rate use)	23W/cell @ 15min rate to 1.67V/cell @ 20°C (5.0AH/20HR)
제품중량	Approx. 1.95kg(4.30lbs)
최대방전전류	50A (5sec)
단락전류	150A (0.1sec)
내부저항	Approx. 35mΩ @ 25°C, Full charging
최대충전전류	2.0A
정전압 충전 특성 (@ 25°C)	부동충전 용도 2.275 ± 0.025V/cell (-3.3mV/°C/cell)
	사이클 용도 2.450 ± 0.025V/cell (-5.0mV/°C/cell)
	부동충전 용도 3~5년 @ 20°C
수명특성	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 온도와의 관계	@ 40°C 102%, @ 20°C 100%, @ 0°C 85%, @ -10°C 72%
단자형식	Faston 187(FO-02), Optional 250 (FO-03)
케이스 재질	General grade ABS resin. (Color : Dark gray color)

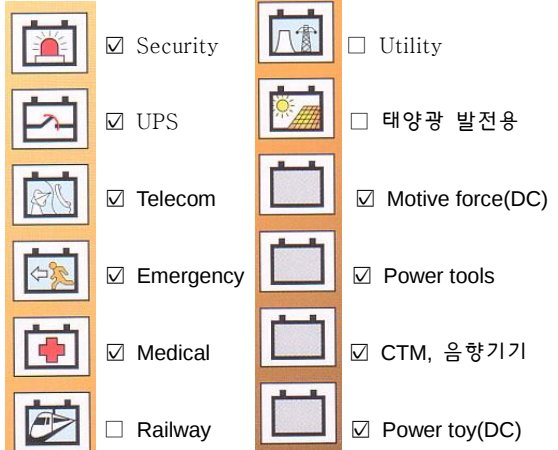
Certification



Dimension



Application



Discharge characteristics(@25°C)

CONSTANT POWER DISCHARGE CHARACTERISTICS UNIT: WATT(25°C,77°F) M: MINUTE H: HOUR								
F.V.	TIME	5M	10M	15M	30M	1H	2H	3H
1.60V		49.38W	31.37W	23.48W	13.80 W	7.82W	4.30 W	3.00 W
1.70V		45.77W	29.88W	22.61W	13.46W	7.66W	4.23W	2.95 W
1.80V		40.28W	26.94W	20.67W	12.57 W	7.28W	4.07 W	2.86 W

CONSTANT CURRENT DISCHARGE CHARACTERISTICS UNIT: AMPERE(25°C,77°F) M: MINUTE H: HOUR								
F.V.	TIME	5M	10M	15M	30M	1H	2H	3H
1.60V		26.50A	16.37 A	12.21A	7.04A	3.93A	2.15 A	1.50A
1.70V		24.56A	15.59 A	11.76A	6.87A	3.85A	2.11A	1.47A
1.80 V		21.62A	14.05A	10.75 A	6.41A	3.66A	2.04A	1.43A