



TYSONIC[®]

NON-SPILLABLE SEALED RECHARGEABLE BATTERY

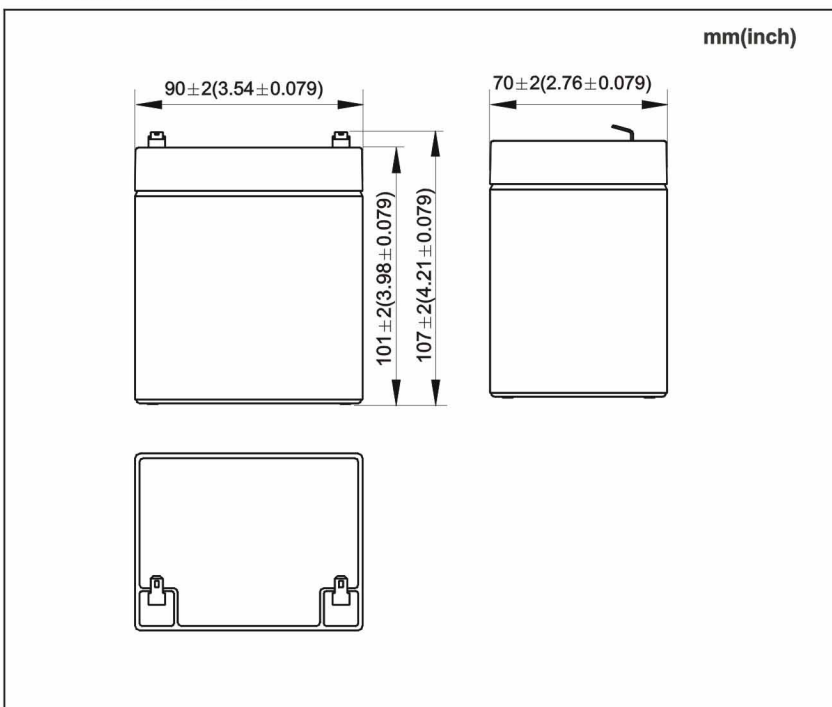
HRL1223W

☆ SPECIFICATION	☆ CHARACTERISTICS
● NOMINAL VOLTAGE : 12 V	● CAPACITY 25 °C / 77 °F
● NOMINAL POWER(15min) : 23W/CELL	20 hr @ 0.25 A : 5.0 Ah
● DIMENSIONS	10 hr @ 0.45 A : 4.5 Ah
TOTAL HEIGHT : 107 mm (4.21 inches)	5 hr @ 0.8 A : 4.0 Ah
CONTAINER HEIGHT : 101 mm (3.98 inches)	1 hr @ 3.0 A : 3.0 Ah
LENGTH : 90 mm (3.54 inches)	1 C @ 5.0 A : 2.5 Ah
WIDTH : 70 mm (2.76 inches)	● INTERNAL RESISTANCE(25°C , 77 °F) : 35 mΩ
WEIGHT : APPROX 1.95 kg (4.30 lbs)	● CHARGING VOLTAGE (25°C , 77 °F)
● MAX DISCHARGE CURRENT : 50 A (5 sec)	STANDBY USE : 2.275 ± 0.025 V/CELL
● MAX SHORT- DURATION DISCHARGE CURRENT : 150 A(0.1 sec)	: (-3.3mV / °C / CELL)
● STANDARD TERMINALS : FO-02/FO-03	CYCLE USE : 2.45 ± 0.05 V/CELL
● CONTAINER MATERIAL : GENERAL GRADE ABS	: (-5 mV / °C / CELL)
	● MAX CHARGING CURRENT : 1.5 A

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	47.41W	30.12W	22.54W	13.25W	7.58W	4.21W	2.94W
1.70V	43.94W	28.68W	21.71W	12.92W	7.43W	4.14W	2.89W
1.80V	38.67W	25.86W	19.84W	12.06W	7.07W	3.99W	2.80W

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	25.44A	15.71A	11.72A	6.76A	3.81A	2.11A	1.47A
1.70V	23.58A	14.97A	11.29A	6.59A	3.74A	2.07A	1.44A
1.80V	20.75A	13.49A	10.32A	6.16A	3.55A	2.00A	1.40A

☆ Dimensions



☆ Terminal

