



# TYSONIC<sup>®</sup>

NON-SPILLABLE SEALED RECHARGEABLE BATTERY

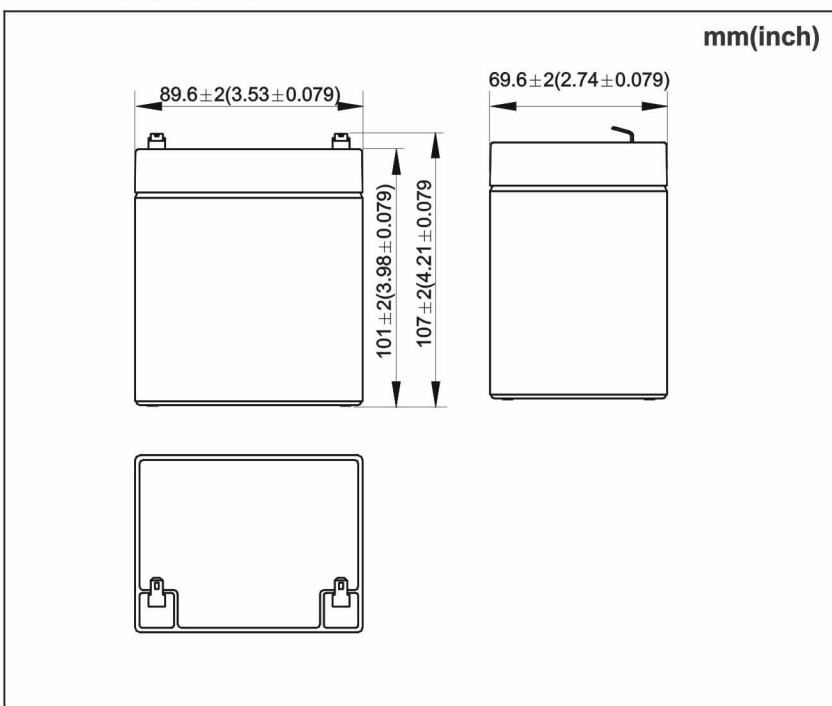
## HRL1221W

☆ SPECIFICATION	☆ CHARACTERISTICS
● NOMINAL VOLTAGE : 12 V	● CAPACITY 25 °C / 77 °F
● NOMINAL POWER(15min) : 21W/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 : 89.6 mm ( 3.53 inches )	1 C @ 5.0 A : 2.5 Ah
WIDTH : 69.6 mm ( 2.74 inches )	● INTERNAL RESISTANCE( 25°C , 77 °F ) : 35 mΩ
WEIGHT : APPROX 1.92 kg ( 4.23 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		42.92W	27.26W	20.41W	12.00W	6.87W	3.81W	2.66W
1.70V		39.78W	25.97W	19.65W	11.70W	6.73W	3.75W	2.61W
1.80V		35.01W	23.41W	17.96W	10.92W	6.40W	3.61W	2.53W

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		23.03A	14.23A	10.61A	6.12A	3.45A	1.91A	1.33A
1.70V		21.35A	13.55A	10.22A	5.97A	3.38A	1.87A	1.31A
1.80V		18.79A	12.21A	9.34A	5.57A	3.22A	1.81A	1.27A

### ☆ Dimensions



### ☆ Terminal

