Intepower Canada Ltd.

# 12VC5.0 12V5.0Ah

## General Application

12VC5.0 is a general purpose battery with 3~5 years in standby service or more than 400 cycles at 50% depth of discharge in cycle service

## Unit Specification

| | |
|---|---|
| NOMINAL VOLTAGE | : 12 V |
| NOMINAL CAPACITY(20 hr) | : 5.0 Ah |
| DIMENSIONS | |
| TOTAL HEIGHT | : 107 mm ( 4.21 inches ) |
| CONTAINER HEIGHT | : 101 mm ( 3.98 inches ) |
| LENGTH | : 90 mm ( 3.54 inches ) |
| WIDTH | : 70 mm ( 2.76 inches ) |
| NET WEIGHT(UNIT) | : APPROX 1.64 Kg ( 3.62 lbs ) |
| CONTAINER MATERIAL | : UL94HB ABS |
| | : UL94V-0 ABS |
| INTERNAL RESISTANCE( 25°C , 77 °F ) | : ~32mΩ |
| DISCHARGE CAPACITY UNDER DIFFERENT TEMPERATURES | |
| 40°C | : ~102% |
| 25°C | : ~100% |
| 0 °C | : ~85% |

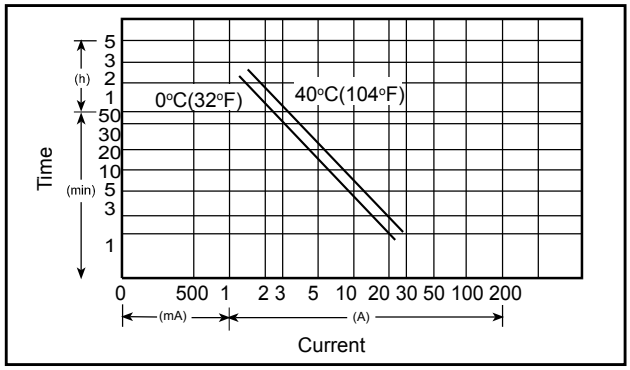
## Characteristics

| | |
|---|---|
| CAPACITY 25 °C / 77 °F | |
| 20 hr @ 0.25 A | : 5.0 Ah |
| 5 hr @ 0.8 A | : 4.0 Ah |
| 1 hr @ 3.0 A | : 3.0 Ah |
| 1 C @ 5.0 A | : 2.5 Ah |
| CHARGING VOLTAGE ( 25°C , 77 °F ) | |
| STANDBY USE | : 13.65±V0.15V |
| CYCLE USE | : 14.7± V0.3V |
| MAX DISCHARGE CURRENT | : 60A ( 5 sec ) |
| MAX CHARGING CURRENT | : 1.5 A |
| SELF-DISCHARGE RESIDUAL CAPACITY( 25°C , 77 °F ) | |
| AFTER 3 MONTHS | : ~90% |
| AFTER 6 MONTHS | : ~82% |
| AFTER 12 MONTHS | : ~70% |

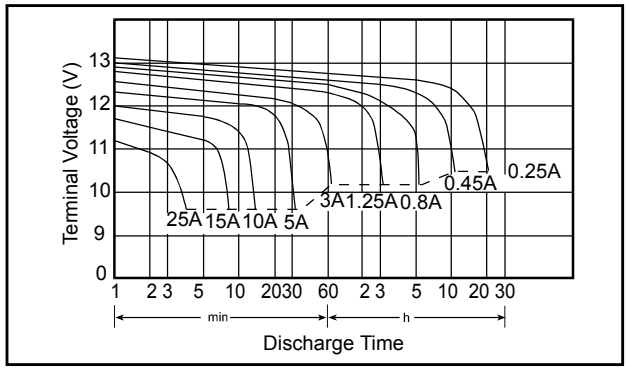
## Packaging and Weights

| | |
|---|---|
| CASE LOT SIZE | : 10Pcs |
| NET WEIGHT(UNIT) | : 1.64Kg (3.62lbs) |
| GROSS WEIGHT(CASE SIZE) | : 17.40Kg (38.36lbs) |

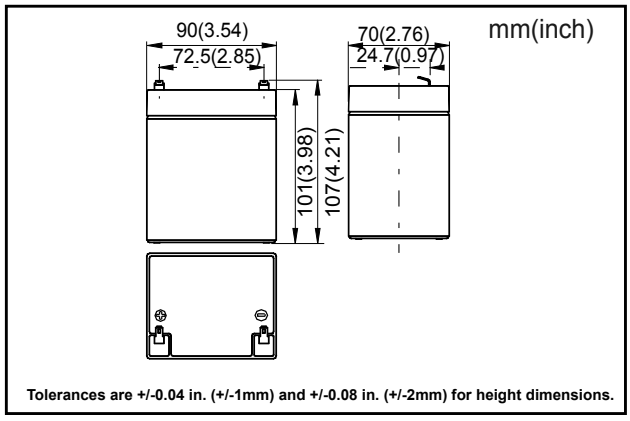
## Discharge Current vs Time

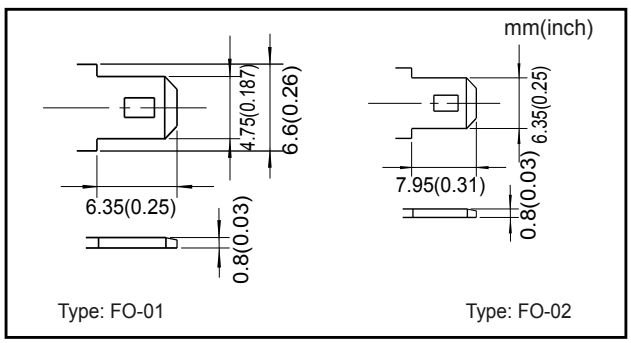



## Discharge Characteristics @25 °C (77 °F)




## Dimensions




Tolerances are +/-0.04 in. (+/-1mm) and +/-0.08 in. (+/-2mm) for height dimensions.

## Terminal