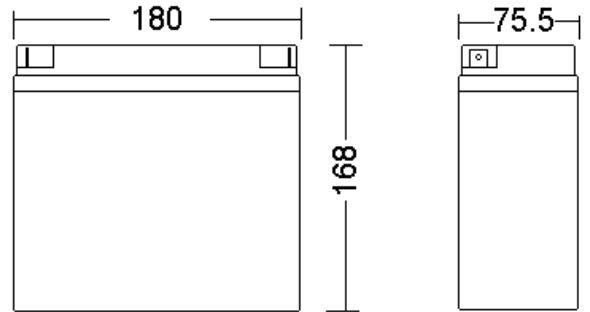
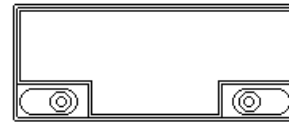


# 12-22HD

## SEALED LEAD-ACID BATTERY FOR HIGH RATE DISCHARGE

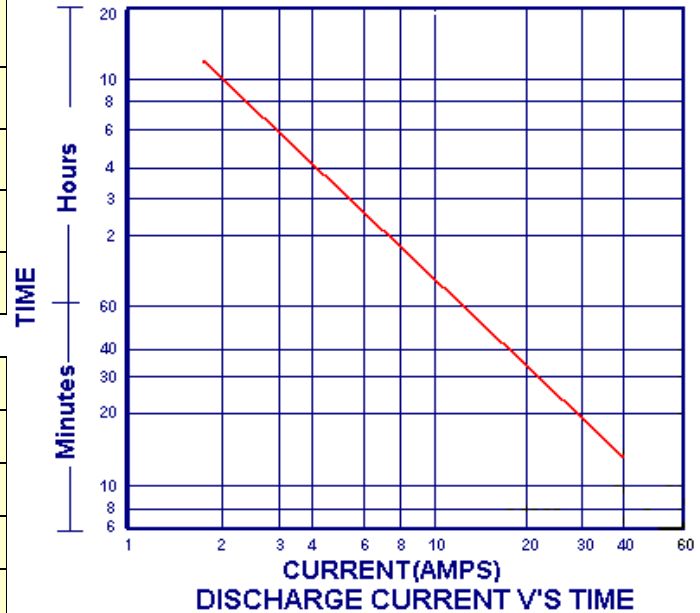
### ● SPECIFICATIONS

|                  |                   |      |
|------------------|-------------------|------|
| NOMINAL VOLTAGE  | 12V               |      |
| NOMINAL CAPACITY | 22Ah (20Hr Rate)  |      |
| DIMENSIONS (mm)  | Length            | 180  |
|                  | Width             | 75.5 |
|                  | Height            | 168  |
|                  | Ht/ Over Terminal | 168  |
| Weight (Approx)  | 6Kg               |      |



### ● CAPACITY CHARACTERISTICS

|                 |                     |        |
|-----------------|---------------------|--------|
| CUT OFF VOLTAGE |                     |        |
| 1.75 v/c @25°C  | 10 Hour Rate(1.9A)  | 19Ah   |
| 1.70v/c         | 5 Hour Rate(3.6A)   | 18AH   |
| 1.55v/c         | 1 Hour Rate(13.5A)  | 13.5Ah |
| 1.50v/c         | 15 Minute Rate(38A) | 9.5Ah  |



|                           |                    |           |           |
|---------------------------|--------------------|-----------|-----------|
| Charge Voltage (constant) |                    | BLOC      | PER CELL  |
|                           | Float              | 13.5-13.8 | 2.25-2.30 |
|                           | Cycle              | 14.7-15.0 | 2.45-2.50 |
| Discharge Current (A)     | 5 seconds maximum  |           | 300       |
|                           | maximum continuous |           | 70        |

|                           |                 |
|---------------------------|-----------------|
| MAX. Charge Current       | 6A              |
| Resistance (Full Charged) | 9mΩ             |
| Terminal Type             | NUT AND BOLT    |
| Self Discharge            | 9 Months @ 21°C |

### Constant Wattage Discharge (Watts Per Cell @ 25°C)

|                        |                |     |    |    |    |    |
|------------------------|----------------|-----|----|----|----|----|
| Cut off voltage V/Cell | TIME (Minutes) |     |    |    |    |    |
|                        | 5              | 10  | 15 | 30 | 45 | 60 |
| 1.75                   | 137            | 95  | 70 | 41 | 33 | 26 |
| 1.67                   | 138            | 97  | 73 | 43 | 34 | 27 |
| 1.6                    | 139            | 101 | 77 | 45 | 35 | 28 |

