

Features

Heavy Duty Multi-Purpose Series:

- Provides extended life in applications where variety and combination of general cycling, standby, and wider temperature fluctuation environments.
- 5 year service life in standby applications at 25° C temperatures.
- Cycles over 300 times at 60% depth of discharge yet will perform equally well in standby and other applications where both conditions are required.
- Valve Regulated Lead Acid (VRLA), Absorbent Glass Mat (AGM) Technology – Safe operation in any position
- Lead-calcium alloy grids and the use of high purity virgin lead
- Externally sealed Flame retardant ABS case and cover to UL94-HB specifications
- UL recognized (UR) as a component in UL approved equipment installations under File number MH46202
- Classified as non-spillable status for transportation making it non-hazardous for normal transportation processes. Approved for transport by air. Fulfills US D.O.T., I.A.T.A., F.A.A., C.A.B. handling and shipping requirements
- For more details on special design and construction details see Features and Benefits publication on www.oraclebattery.com

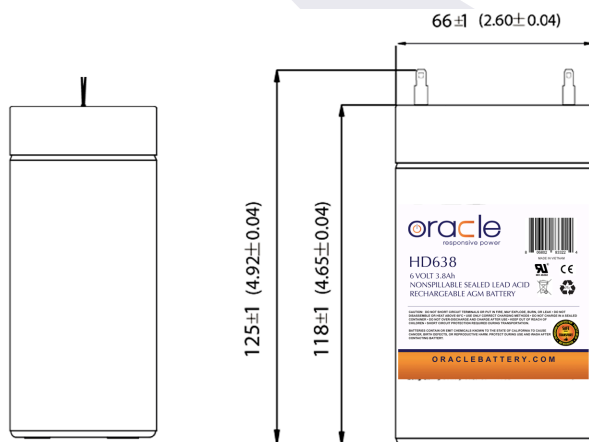


Specification

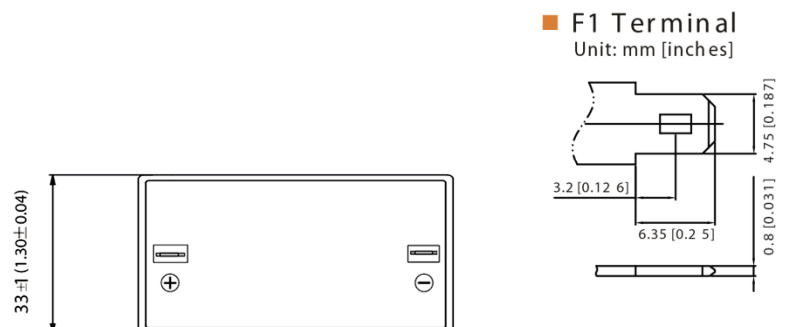
| | | |
|-----------------------------------|---|--|
| Cell per unit | 3 | Ambient Temperature |
| Nominal Voltage (V) | 6 | Charge 0°C (32°F) to 40°C (104°F) |
| Nominal Capacity (Ah) | 3.8Ah @ 20 hour rate to 1.75vpc | Discharge -15°C (5°F) to 50°C (122°F) |
| Weight | Approx 0.56kg (1.23lbs.) | Storage -15°C (5°F) to 40°C (104°F) |
| Internal Resistance (1KHz) | ≤45mΩ | Max Charge Current |
| Max Discharge Current (5s) | 60A (5s) | Max charge current 1.14A |
| Battery Life | Stand by : 3~5 years | Cycle use: Charge voltage: 7.2 to 7.5V |
| Terminal Type | F1 | Stand by: Charge voltage: 6.75 to 6.90V |
| Container Material | ABS 94-HB flame retardant case (94V-0 Optional) | |



Dimensions



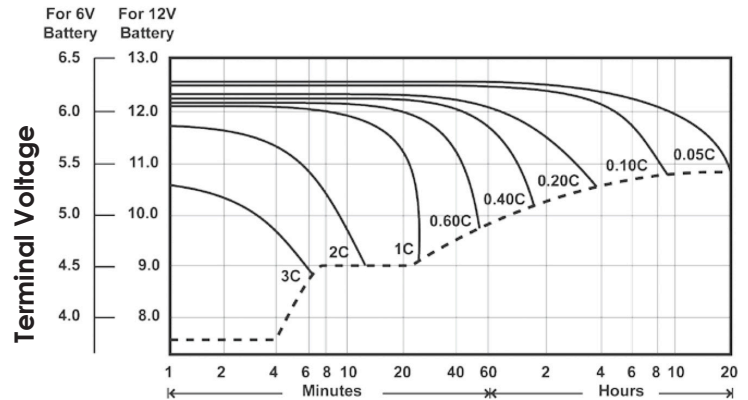
| | Length | Width | Height | Total Height |
|-----------|-----------|-----------|-----------|--------------|
| Unit mm | 66±1 | 33±1 | 118±1 | 125±1 |
| Unit inch | 2.60±0.04 | 1.30±0.04 | 4.65±0.04 | 4.92±0.04 |



Terminal Voltage



Discharge Times



Time to Ending Voltage

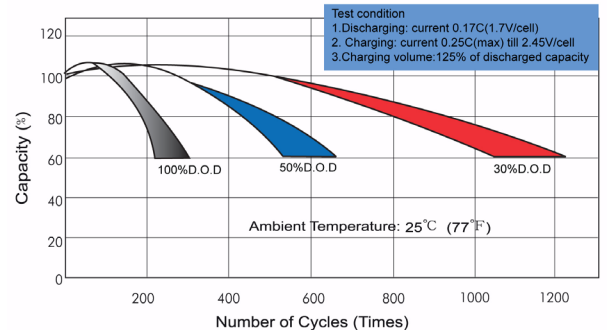
Charge Voltages

| Temperature Compensated Charging | Average Temperature | Cycle Charging Volts Per Cell | Float Charging Volts Per Cell |
|----------------------------------|---------------------|-------------------------------|-------------------------------|
| | -40°C (-40°F) | 2.85-2.95 | 2.38-2.43 |
| | -20°C (-4°F) | 2.67-2.77 | 2.34-2.39 |
| | -10°C (14°F) | 2.61-2.71 | 2.32-2.37 |
| | 0°C (32°F) | 2.55-2.65 | 2.30-2.35 |
| | 10°C (50°F) | 2.49-2.59 | 2.28-2.33 |
| | 20°C (68°F) | 2.43-2.53 | 2.26-2.31 |
| | 25°C (77°F) | 2.40-2.50 | 2.25-2.30 |
| | 30°C (86°F) | 2.37-2.47 | 2.24-2.29 |
| | 40°C (104°F) | 2.31-2.41 | 2.22-2.27 |
| 50°C (122°F) | 2.25-2.35 | 2.20-2.25 | |

Temperature Storage

| Average Storage Temperature | Recharging Interval |
|-----------------------------|---------------------|
| 68°F | Every 9 months |
| 77°F | Every 6 months |
| 95°F | Every 3 months |

Cycle Life



Constant Current Discharge Characteristics (25°C 77°F)

| F.V/Time | 5MIN | 15MIN | 30MIN | 60MIN | 2HR | 3HR | 5HR | 8HR | 10HR | 20HR |
|----------|-------|-------|-------|-------|------|-------|-------|-------|-------|-------|
| 1.60V | 15.40 | 6.93 | 4.26 | 2.50 | 1.46 | 1.070 | 0.723 | 0.485 | 0.398 | 0.210 |
| 1.67V | 14.00 | 6.45 | 4.04 | 2.40 | 1.42 | 1.050 | 0.708 | 0.475 | 0.393 | 0.208 |
| 1.70V | 12.70 | 6.02 | 3.84 | 2.32 | 1.38 | 1.020 | 0.693 | 0.467 | 0.387 | 0.206 |
| 1.75V | 10.90 | 5.46 | 3.60 | 2.22 | 1.33 | 0.992 | 0.678 | 0.460 | 0.384 | 0.202 |
| 1.80V | 9.12 | 4.91 | 3.48 | 2.10 | 1.28 | 0.980 | 0.659 | 0.448 | 0.380 | 0.200 |