

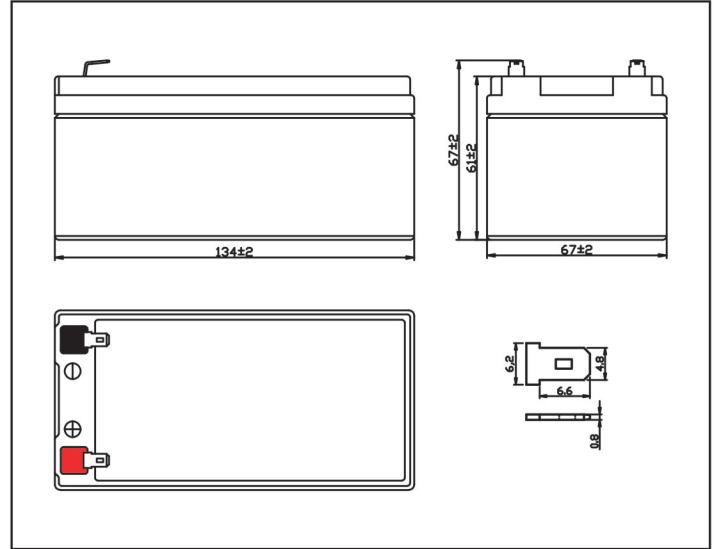
INDUSTRIAL BATTERY - VRLA-AGM BATTERY - SMALL SERIES

MODEL: CB1234-F1 12V3.4AH



Plane Chart:

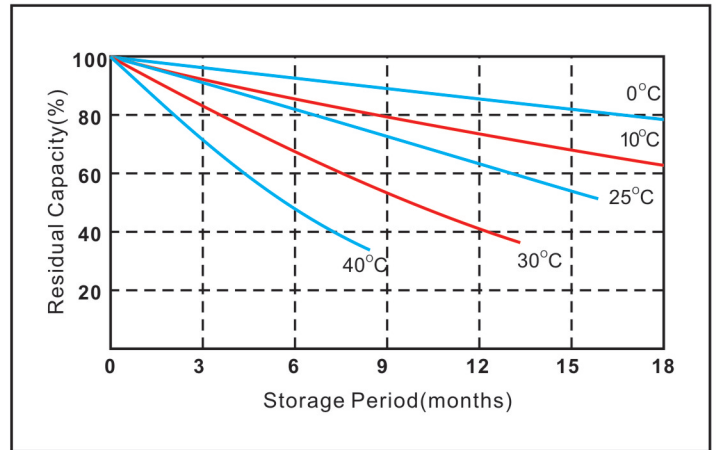
Unit:(mm) Terminal type:(F0)



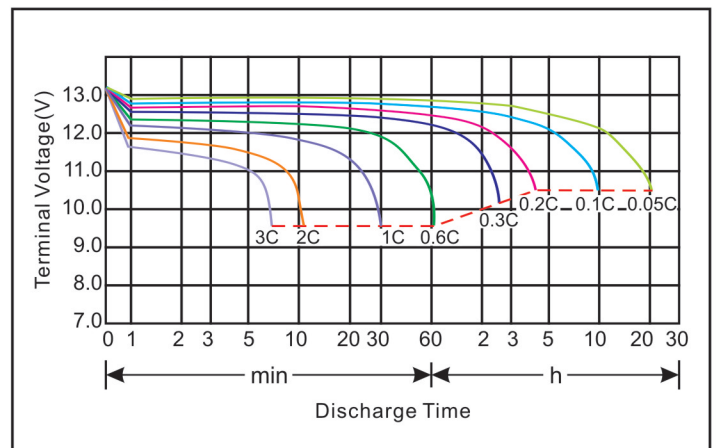
Parameter Chart:

| Volts | | 12V | |
|----------------------------------|--------------------------------------|--|--|
| Capacity(25°C) | 20 hours rate (0.165A) | 3.3Ah | |
| Discharge Current Testing (25°C) | 20 I ₂₀ rate (3.3A,27min) | 32min | |
| | 60 I ₂₀ rate (9.9A,7min) | 7min | |
| Internal Resistance | Full Charged Battery 25°C | 45mΩ | |
| Capacity Affected By Temperature | 40°C | 104% | |
| | 25°C | 100% | |
| | 0°C | 83% | |
| | -15°C | 65% | |
| Residual Capacity (25°C) | Capacity After 3 Months Storage | 91% | |
| | Capacity After 6 Months Storage | 82% | |
| | Capacity After 12 Months Storage | 65% | |
| Charge (Constant Voltage) | Cycle (25°C) | Initial Charging Current Less Than 0.99A Voltage 14.5~14.9V | |
| | Float (25°C) | Charge Voltage 13.6~13.8V | |
| Weight±3% | | 1.26Kg | |

Residual Capacity



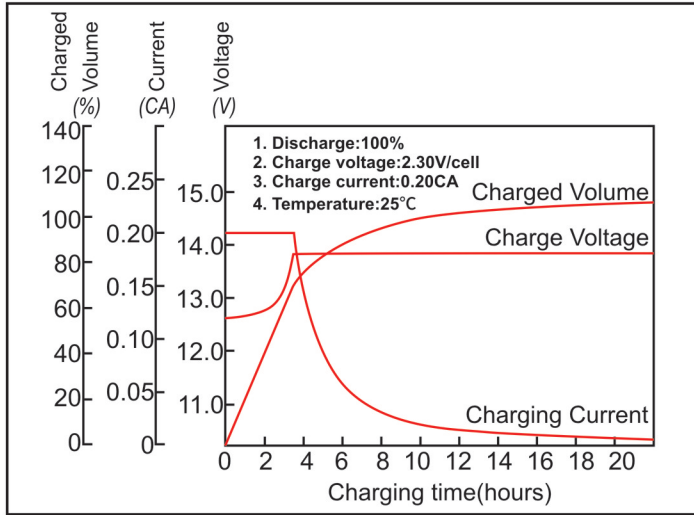
Discharge Current 25°C



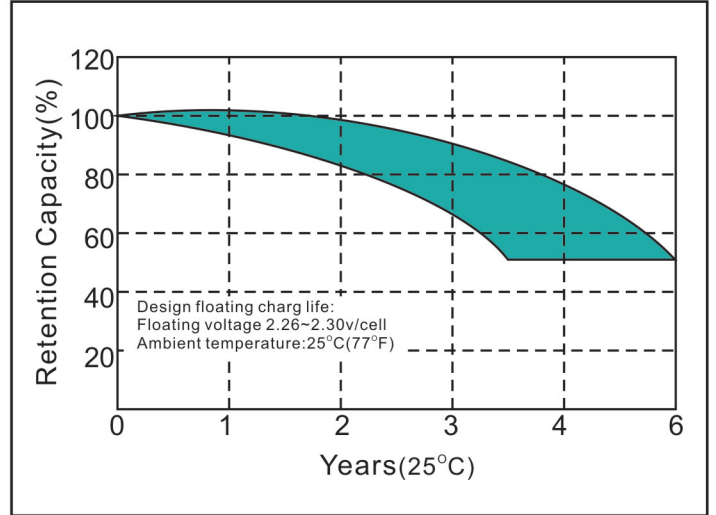
★The above are average and data obtained from the first 3 charge/discharge cycles. These are not minimum values.

MODEL: CB1234-F1 12V3.4AH

Constant voltage charging characteristics



Float Life



Constant Current Discharge Characteristics (A, 25°C)

| F.V/Time | 5min | 10min | 15min | 20min | 30min | 1h | 2h | 3h | 4h | 5h | 8h | 10h | 20h |
|----------|-------|-------|-------|-------|-------|------|------|-------|-------|-------|-------|-------|-------|
| 9.60V | 10.85 | 6.83 | 5.47 | 4.36 | 3.39 | 1.94 | 1.15 | 0.853 | 0.662 | 0.565 | 0.382 | 0.322 | 0.173 |
| 10.02V | 10.43 | 6.52 | 5.35 | 4.24 | 3.31 | 1.91 | 1.12 | 0.843 | 0.654 | 0.558 | 0.378 | 0.319 | 0.170 |
| 10.20V | 10.28 | 6.34 | 5.24 | 4.17 | 3.25 | 1.87 | 1.10 | 0.835 | 0.651 | 0.555 | 0.375 | 0.317 | 0.168 |
| 10.50V | 9.75 | 6.10 | 5.10 | 4.08 | 3.17 | 1.82 | 1.08 | 0.818 | 0.647 | 0.548 | 0.370 | 0.313 | 0.165 |
| 10.80V | 9.32 | 5.80 | 4.96 | 3.98 | 3.08 | 1.77 | 1.05 | 0.802 | 0.643 | 0.540 | 0.356 | 0.308 | 0.162 |

Constant Current Discharge Characteristics (Watt, 25°C)

| F.V/Time | 5min | 10min | 15min | 20min | 30min | 1h | 2h | 3h | 4h | 5h | 8h | 10h | 20h |
|----------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|
| 9.60V | 115.2 | 73.4 | 60.2 | 48.3 | 38.0 | 22.17 | 13.37 | 10.00 | 7.74 | 6.67 | 4.52 | 3.84 | 2.07 |
| 10.02V | 112.2 | 70.0 | 59.2 | 46.7 | 37.2 | 21.84 | 13.11 | 9.88 | 7.64 | 6.58 | 4.48 | 3.80 | 2.04 |
| 10.20V | 111.5 | 68.7 | 58.2 | 46.3 | 36.7 | 21.44 | 12.87 | 9.79 | 7.64 | 6.55 | 4.44 | 3.78 | 2.01 |
| 10.50V | 106.3 | 66.7 | 56.8 | 45.4 | 36.1 | 21.04 | 12.63 | 9.59 | 7.60 | 6.47 | 4.38 | 3.73 | 1.98 |
| 10.80V | 103.0 | 64.4 | 55.5 | 44.3 | 35.2 | 20.56 | 12.41 | 9.40 | 7.59 | 6.37 | 4.32 | 3.67 | 1.94 |

Capacity Factors With Different Temperature

| Battery Type | | -20°C | -10°C | 0°C | 5°C | 10°C | 20°C | 25°C | 30°C | 40°C | 45°C |
|--------------|-----|-------|-------|-----|-----|------|------|------|------|------|------|
| Battery | 12V | 50% | 70% | 83% | 85% | 90% | 98% | 100% | 102% | 104% | 105% |

★The above are average and data obtained from the first 3 charge/discharge cycles. These are not minimum values.