

LHC SERIES

Absorbent glass mat (AGM) technology
 12V battery VRLA. Can be mounted in any orientation except inverted. US DOT and IATA certified non-spillable Sealed Construction (Non-Spillable Battery) Can be install metal case and fitted with TP brass automotive adaptor on request.

Application

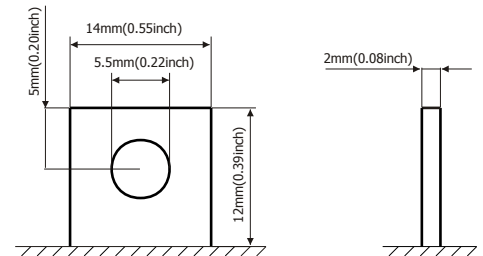
- Solar Energy System
- Golf Cars and Buggies
- Electric Powered Vehicles
- Wheel Chairs
- Power Tools
- Electric Powered Toys
- Control System
- Vacuum Cleaners
- Medical Equipments
- UPS

General Features

- PHCA: 680A at 80F (27C) for 5 seconds
- CCA: 230A at 0F (-18C)
- CA/MCA: 310A at 32F (0C)
- HCA: 410A at 80F (27C) Reserve capacity: 28 minutes
- Short circuit current: 800A
- Terminal Torque: 40 in-lbs
- Operation temperature range: -5F (-15C) to 122F (50C)

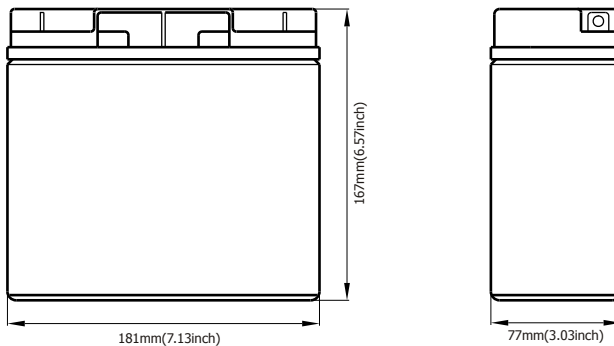
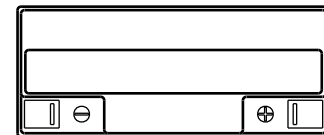
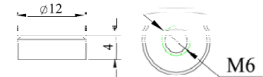
Construction

- ComponentRaw material
- PositiveLead dioxide
- NegativeLead
- ContainerABS
- CoverABS
- SealantEpoxy Resin
- Safety valveEPDR
- TerminalCopper
- SeparatorFibre glass
- ElectrolyteSulfuric acid

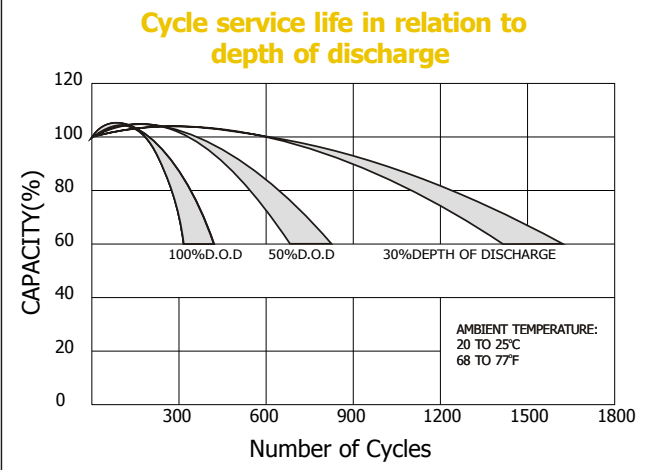
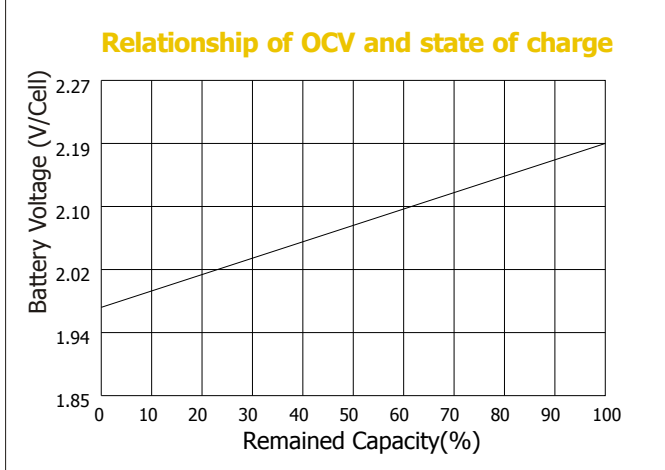
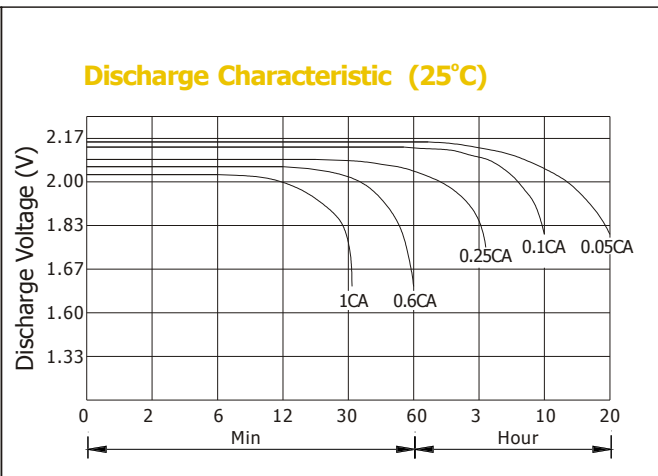
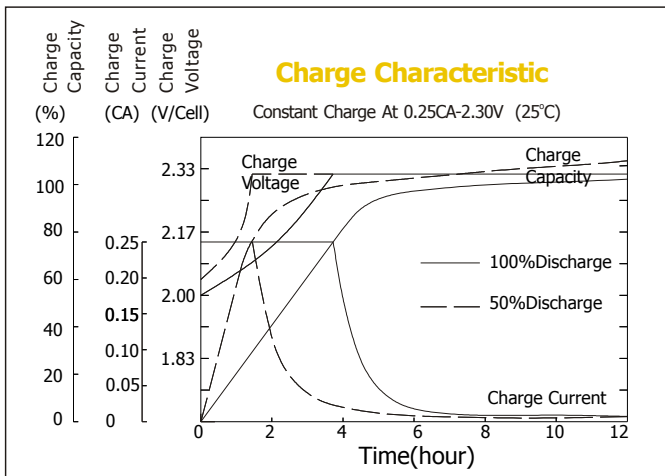


Terminal Dimensions

Terminal Type: M6
 unit:mm



| | | | | |
|----------------------------------|---|------------------|-----------------------|-----------------|
| Battery Model | LHC 12-22 | | | |
| Designed Cycle Life | > 350 cycles @ -0.5CA to 9.6V | | | |
| Capacity(25°C) | 20HR(1.0A,1.75V) | 10HR(1.9A,1.75V) | 5HR(3.4A,1.75V) | 1HR(13A,1.75V) |
| | 22AH | 20AH | 18AH | 15AH |
| Dimensions | Length | Width | Height | Total Height |
| | 181mm(7.13inch) | 76mm(2.99inch) | 167mm(6.57inch) | 167mm(6.57inch) |
| Approx. Weight | 7.3Kg (16.30 lbs) | | | |
| Internal Resistance | Full charged at 25°C: 0.012 Ohm | | | |
| Self Discharge | 3% of capacity declined per month at (25°C) | | | |
| Capacity Affected by Temp.(20HR) | 40°C | 25°C | 0°C | -15°C |
| | 102% | 100% | 85% | 65% |
| Charge Voltage(25°C) | Cycle use | | Float use | |
| | 14.4-15V(-30mV/ °C), max. Current: 6A | | 13.6-13.8V(-20mV/ °C) | |



Constant current discharge ratings-amperes at 25°C

| F.V/Time | 5MIN | 10MIN | 15MIN | 30MIN | 1HR | 3HR | 5HR | 10HR | 20HR |
|----------|------|-------|-------|-------|------|------|------|------|------|
| 1.60V | 98.5 | 61.3 | 46.2 | 28.2 | 14.2 | 6.93 | 4.24 | 2.31 | 1.25 |
| 1.67V | 92.4 | 58.1 | 44.5 | 27.0 | 14.0 | 6.67 | 4.15 | 2.29 | 1.20 |
| 1.70V | 84.7 | 56.0 | 43.4 | 24.5 | 13.6 | 6.22 | 4.06 | 2.28 | 1.18 |
| 1.75V | 83.0 | 54.3 | 42.0 | 23.3 | 13.0 | 6.01 | 3.97 | 2.27 | 1.15 |
| 1.80V | 74.3 | 51.8 | 38.2 | 21.6 | 12.1 | 5.78 | 3.73 | 2.22 | 1.12 |
| 1.85V | 65.5 | 49.4 | 34.3 | 19.9 | 11.3 | 5.57 | 3.50 | 2.19 | 1.09 |

Constant power discharge ratings-watts at 25°C

| F.V/Time | 5MIN | 10MIN | 15MIN | 30MIN | 1HR | 3HR | 5HR | 10HR | 20HR |
|----------|------|-------|-------|-------|------|------|------|------|------|
| 1.60V | 173 | 111 | 84.4 | 50.8 | 25.7 | 11.1 | 7.16 | 4.74 | 2.49 |
| 1.67V | 167 | 108 | 83.3 | 49.7 | 25.5 | 10.7 | 7.13 | 4.71 | 2.40 |
| 1.70V | 157 | 107 | 82.6 | 46.6 | 25.0 | 10.2 | 7.04 | 4.68 | 2.37 |
| 1.75V | 158 | 106 | 81.9 | 45.2 | 24.6 | 10.0 | 6.98 | 4.62 | 2.31 |
| 1.80V | 145 | 105 | 76.0 | 43.1 | 23.2 | 9.71 | 6.76 | 4.56 | 2.25 |
| 1.85V | 131 | 99.5 | 68.9 | 40.3 | 21.8 | 9.41 | 6.54 | 4.50 | 2.16 |