

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

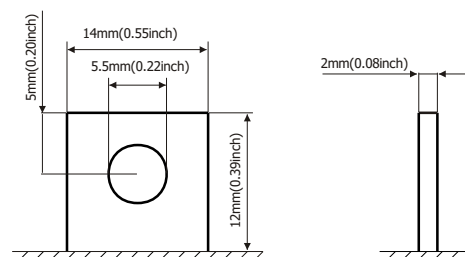
- Power Tools
- Electric Powered Toys
- Control System
- Vacuum Cleaners
- Medical Equipments
- UPS

General Features

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

Construction

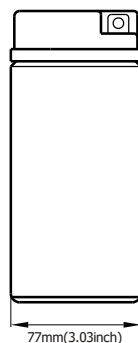
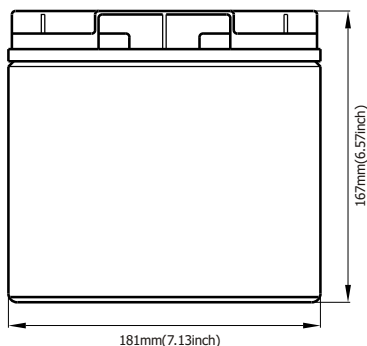
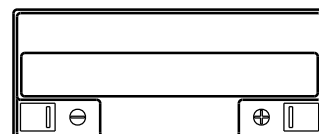
- ComponentRaw material
- PositiveLead dioxide
- NegativeLead
- ContainerABS
- CoverABS
- SealantEpoxy Resin
- Safety valveEPDR
- TerminalCopper
- SeparatorFibre glass
- ElectrolyteSulfuric acid



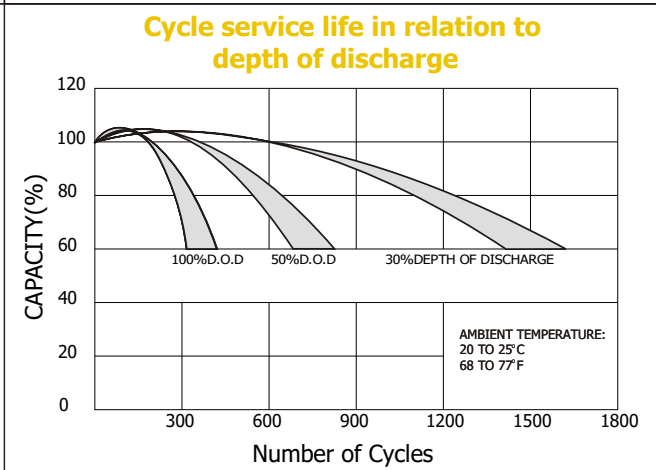
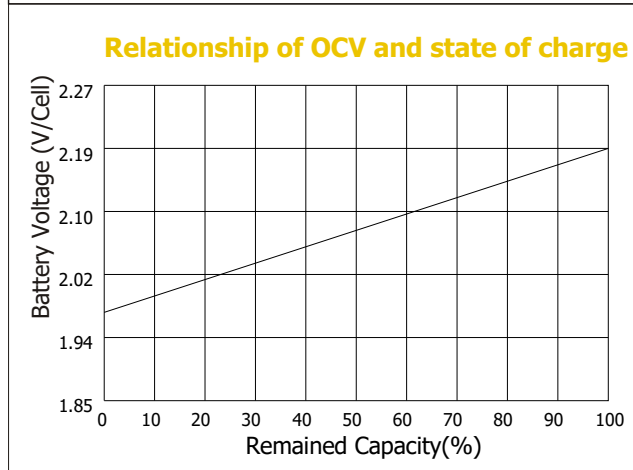
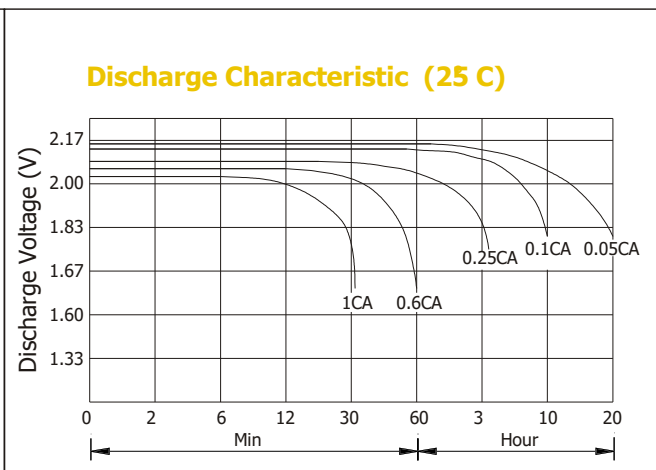
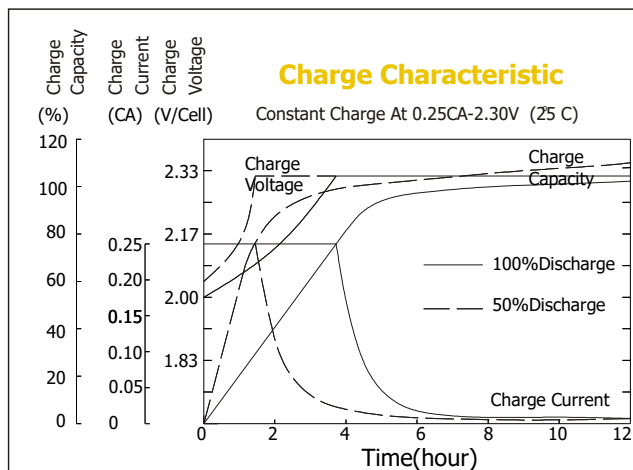
Terminal Dimensions

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