

DC SERIES

DC (Deep cycle) Series batteries are designed for deep discharge application, with special chemical formula for plates active paste material, slightly stronger electrolyte and low temperature design, which can withstand repeated deep cyclic application, such as Solar Energy System, Golf Trolley, Electric

Application

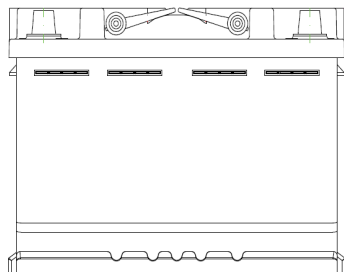
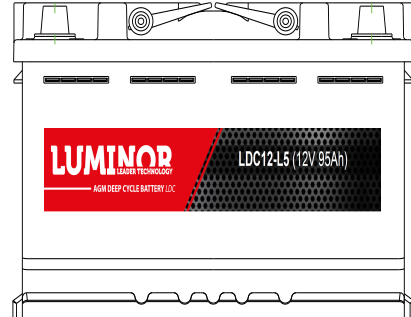
- Solar Energy System
- Golf Cars and Buggies
- Electric Powered Vehicles
- Wheel Chairs
- Power Tools
- Electric Powered Toys
- Control System
- Vacuum Cleaners
- Medical Equipments
- UPS

General Features

- Sealed and maintenance free operation.
- Non-Spillable construction design.
- PP containers and covers(UL94HB, UL94V-0) optional.
- Safety valve installation for explosion proof.
- High quality and high reliability.
- Exceptional deep discharge recovery performance.
- Low self discharge characteristic.
- Flexibility design for multiple install positions.

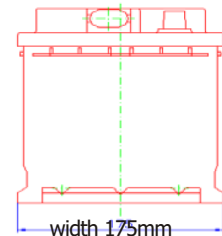
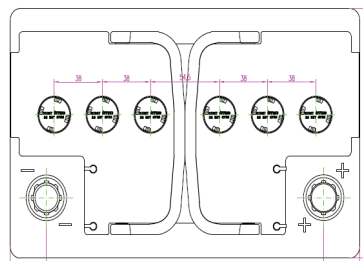
Construction

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



Length 353mm

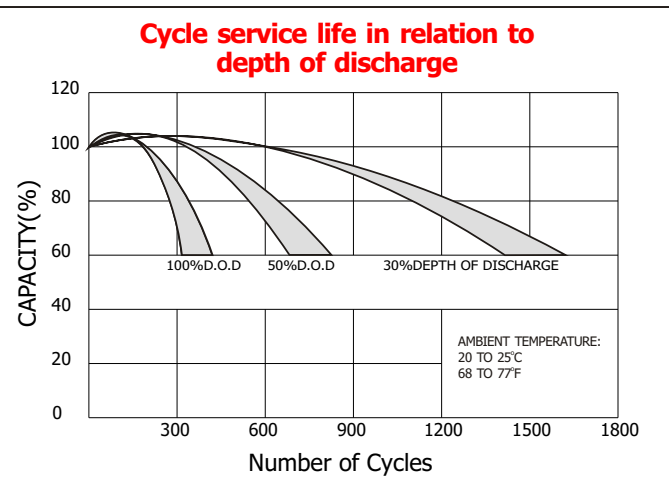
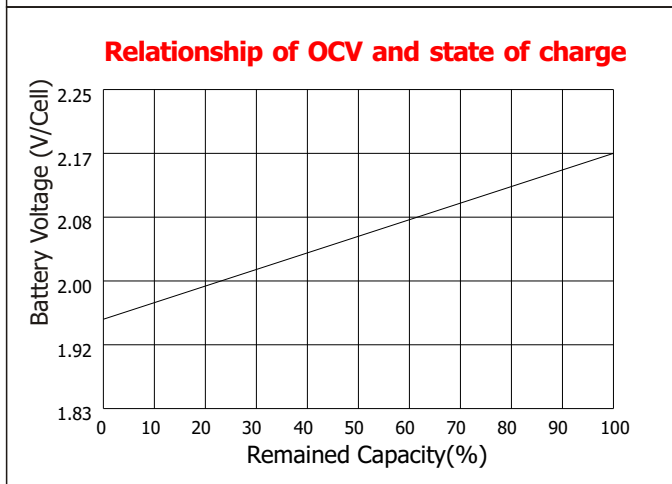
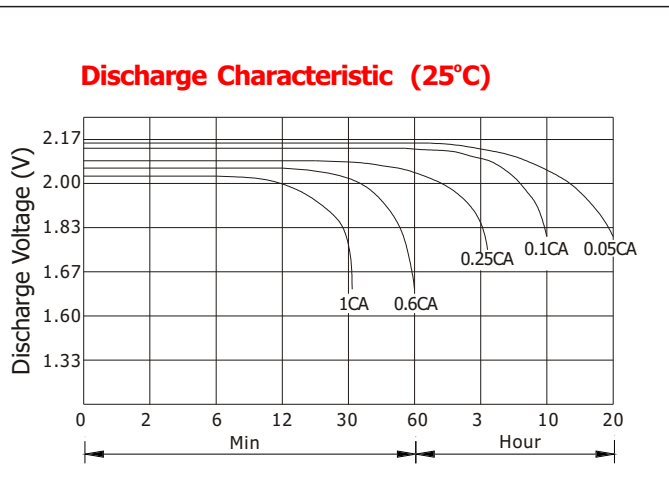
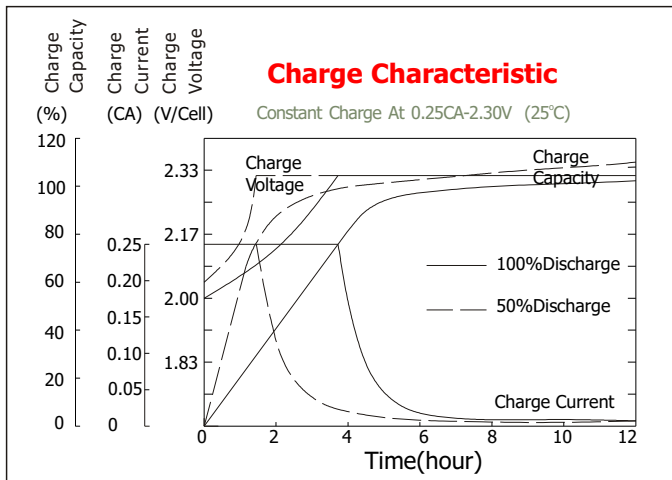
Height 190



width 175mm

Terminal Dimensions

Battery Model	LDC12-L5			
Designed Cycle Life	> 350 cycles @ -0.5CA to 9.6V			
Capacity(25°C)	20HR(4.1A,1.75V)	10HR(8A,1.75V)	5HR(13.5A,1.75V)	1HR(48A,1.75V)
	95AH	84AH	70AH	56AH
Dimensions	Length	Width	Height	Total Height
	315mm(12.40inch)	175mm(6.88inch)	190mm(7.45inch)	190mm(7.45inch)
Approx. Weight	26.0Kg (57.40 lbs)			
Internal Resistance	Full charged at 25°C: 0.006 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: 20A		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	280	192	140	64.0	42.9	16.9	11.9	6.95	3.92
1.67V	252	175	136	61.6	42.7	16.8	11.8	6.85	3.80
1.70V	239	169	131	60.0	42.6	16.6	11.4	6.79	3.70
1.75V	213	156	124	58.4	56.0	16.4	14.0	7.48	4,75
1.80V	192	145	118	56.0	41.7	16.1	10.8	6.18	3.35
1.85V	146	119	102	49.9	41.4	15.8	10.2	6.00	3.00

Constant power discharge ratings-watts at 25°C

F.V/Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
1.60V	375	259	202	129	84.5	34.1	23.7	13.8	6.85
1.67V	356	255	200	126	81.7	34.1	23.7	13.6	6.83
1.70V	332	249	196	123	79.6	34.1	23.7	13.5	6.83
1.75V	309	233	185	120	78.8	33.5	23.5	13.2	6.80
1.80V	278	216	174	116	77.5	33.1	23.1	13.0	6.56
1.85V	222	179	151	107	76.8	33.0	22.8	12.8	6.41