

HR(Hight Rate) range has been developed with high efficiency active materials to stimulate inside the battery with higher power output when the battery is discharged to a extent level. With high-density structure the inner resistance can be reduced to a relatively lower level, which will significantly improve the performance for high rate discharging when high power output service is needed.

Applications

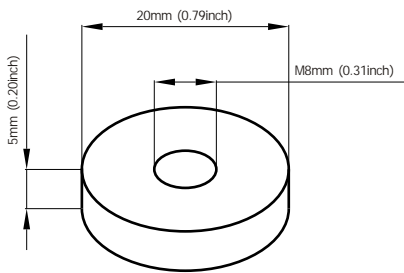
- Electric Car & Scooter
- Toys and Spot Light
- Photovoltaic Solar System
- Marine Application
- UPS
- Toy

General Features

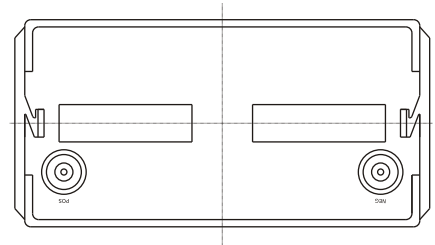
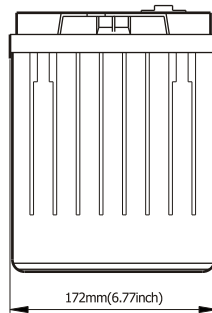
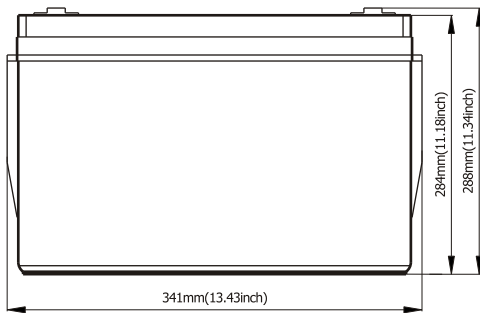
- Sealed and maintenance free operation.
- Non-Spillable construction design.
- ABS containers and covers(UL94HB, UL94V-0) optional.
- Safety valve installation for explosion proof.
- High quality and high reliability.
- Exceptional deep discharge recovery performance.
- Low self discharge characteristic.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

Construction

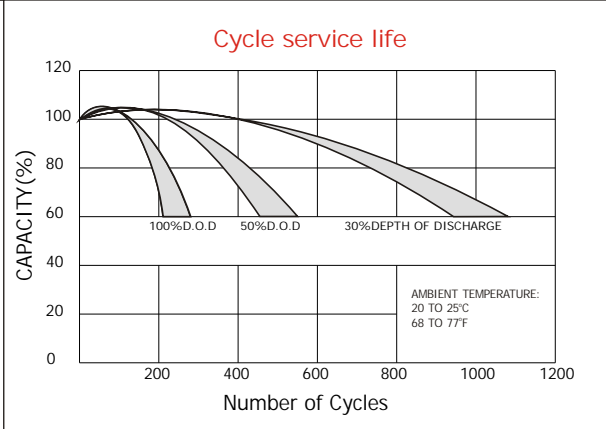
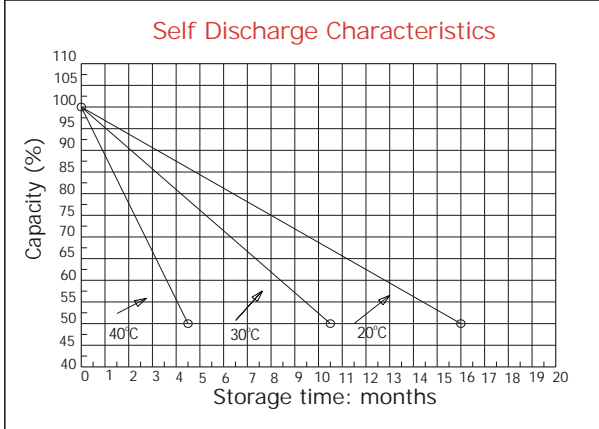
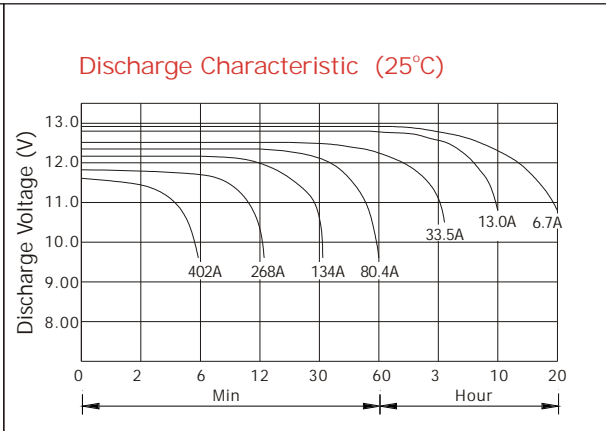
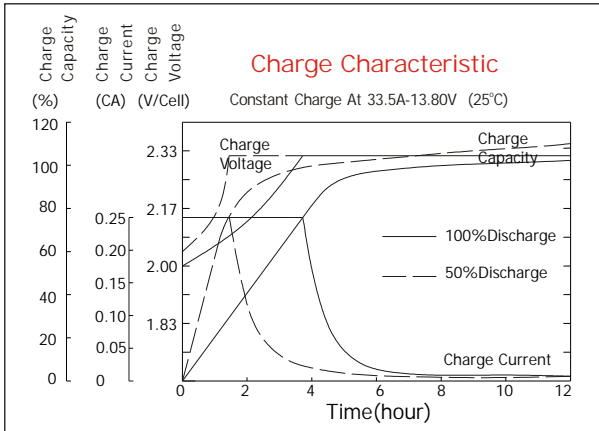
- ComponentRaw material
- PositiveLead dioxide
- NegativeLead
- ContainerABS
- CoverABS
- SealantEpoxy Resin
- Safety valveEPDR
- TerminalCopper
- SeparatorFiber glass
- ElectrolyteSulfuric acid



Standard Terminal Dimensions
(Optional terminal please check terminal information page)



Battery Model	GT12-134HR (475W to 1.67V, 15min)			
Designed Floating Life	8-10 Years			
Capacity(25°C)	20HR(6.8A,1.75V)	10HR(12.5A,1.75V)	5HR(20.9A,1.75V)	1HR(78.9A,1.75V)
	136Ah	125Ah	104.5Ah	78.9Ah
Dimensions	Length	Width	Height	Total Height
	341mm(13.43inch)	172mm(6.77inch)	284mm(11.18inch)	288mm(11.34inch)
Approx. Weight	42.Kg (92.40 lbs)			
Internal Resistance	Full charged at 25°C: 0.0038 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: 33.5A		13.6-13.8V(-20mV/ °C)	



Constant current discharge ratings-amperes at 25°C

F.V/Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	8HR	10HR	20HR
1.60V	420	278	235	146	79.1	33.5	22.8	16.9	12.7	7.0
1.67V	350	265	230	146	79.1	33.5	22.8	16.7	12.6	6.9
1.70V	335	261	223	146	79.1	33.5	22.8	16.6	12.6	6.9
1.75V	322	242	216	143	78.9	32.4	20.9	16.4	12.5	6.8
1.80V	289	228	209	138	75.9	31.5	20.5	16.2	12.5	6.7
1.85V	272	217	202	123	71.5	30.3	19.7	16.0	12.0	6.3

Constant power discharge ratings-watts at 25°C

F.V/Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	8HR	10HR	20HR
1.60V	746	544	484	300	180	67.8	43.8	33.0	24.0	14.0
1.67V	719	521	475	300	180	67.8	43.8	32.8	24.0	14.0
1.70V	705	512	438	300	180	67.8	43.8	32.6	24.0	14.0
1.75V	666	479	424	295	175	67.3	43.3	32.2	24.0	13.9
1.80V	600	466	410	286	172	66.4	42.9	31.6	23.1	13.5
1.85V	565	446	397	277	168	64.6	41.5	31.1	22.1	12.7

