

CHR113-12

12V 113AH

High Rated



CHR113-12

Awaiting Image

Physical Specification

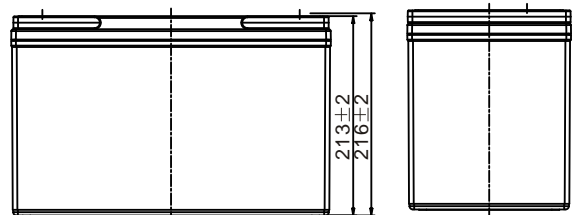
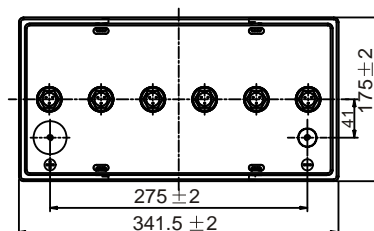
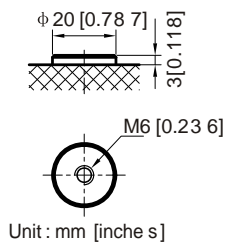
Part Number	CHR113-12
Length	341.5 ± 2 mm
Width	175 ± 2 mm
Container Height	213 ± 2 mm
Total Height (with terminal)	216 ± 2 mm
Approx Weight	35.0 kg

Specifications

	Nominal Voltage	12V
	Nominal Capacity (20HR)	113.0AH
Terminal Type	Standard Terminal	T6
Container Material	Standard Option	ABS
Rated Capacity	20hr, 1.80V/cell, 25°C	113.0AH
Max Discharge Current	1695A	
Internal Resistance	Approx 3.5m Ω	
Discharge Characteristics	Operating Temp. Range	Discharge: -15°C~50°C
		Charge: 0°C~40°C
		Storage: -15°C~40°C
	Capacity affect by Temperature	40°C 103%
		25°C 100%
		0°C 86%
Design Floating Life at 20°C	12+ Years	
Self Discharge	Canbat batteries may be stored for up to 6 months at 25°C(77°F) and then a refresh charge is required. For higher temperatures the time interval will be shorter.	

Dimensions

T6 Terminal



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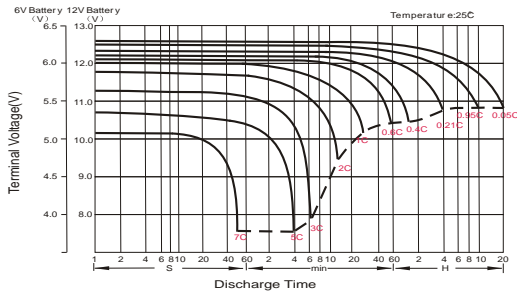
Constant Current Discharge (Amperes) at 25°C

F.V/Time	5min	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	5128	4224	3690	3231	2518	1834	1466	830	593	466	387	333	262	218	11.40
1.80V/cell	5936	4712	4068	3531	2668	1918	1518	847	603	475	394	338	266	222	11.60
1.75V/cell	6692	5269	4415	3726	2778	1978	1559	858	610	479	398	342	269	224	11.82
1.70V/cell	7310	5575	4665	3893	2874	2031	1588	872	619	486	404	346	272	226	11.94
1.67V/cell	7855	5959	4900	4040	2969	2079	1617	886	628	492	409	351	276	228	12.00
1.60V/cell	8347	6331	5123	4182	3030	2118	1648	895	632	496	412	353	277	229	12.16

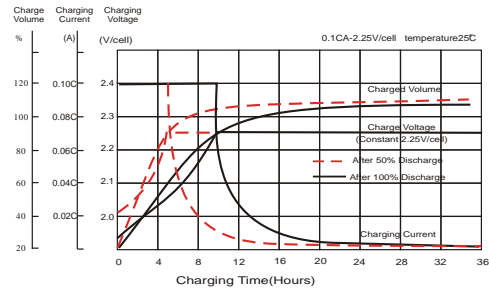
Constant Power Discharge (Watts) at 25°C

F.V/Time	5min	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	2636	2159	1876	1634	1267	919	732	412	293	230	190	163	128	10.59	5.52
1.80V/cell	3084	2433	2089	1803	1355	968	763	423	300	235	195	167	131	10.82	5.65
1.75V/cell	3512	2747	2287	1919	1422	1007	789	431	306	240	198	170	133	11.00	5.78
1.70V/cell	3881	2938	2445	2027	1484	1043	811	442	312	244	202	173	135	11.17	5.87
1.67V/cell	4204	3165	2585	2117	1542	1074	830	451	318	249	206	176	138	11.34	5.98
1.60V/cell	4518	3399	2731	2212	1590	1105	854	460	323	253	209	179	140	11.51	6.07

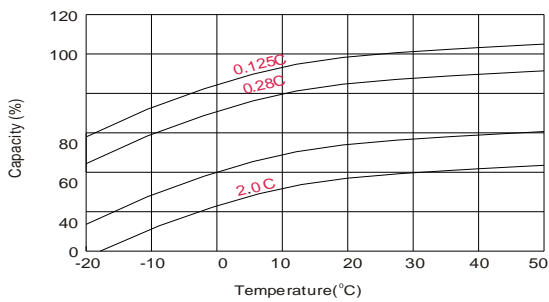
Discharge Characteristics



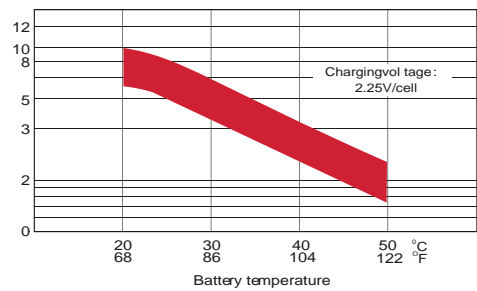
Float Charging Characteristics



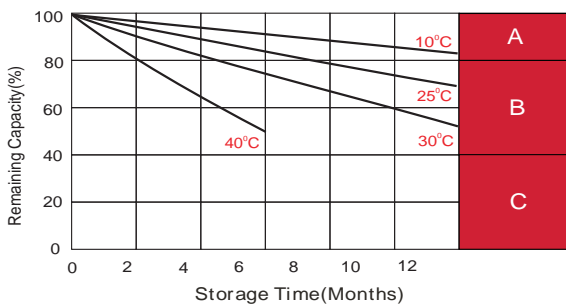
Temperature Effects in Relation to Battery Capacity



Effect of Temperature on Long Term Float Life



Self Discharge Characteristics



- A** No supplementary required
(Carryout supplementary charge before use if 100% capacity is required.)
- B** Supplementary charge required before use. Optional charging way as below:
 1. Charged for above 3 days at limited current 0.25CA and constant voltage 2.25V/cell.
 2. Charged for above 20 hours at limited current 0.25CA and constant voltage 2.45V/cell.
 3. Charged for 8 - 10 hours at limited current 0.05 CA.
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