

CHR155-12

12V 155AH

High Rated



CHR155-12

Awaiting Image

Physical Specification

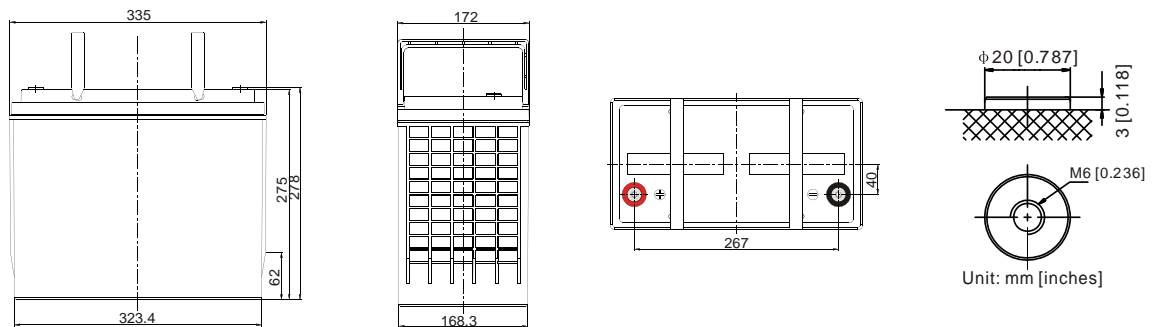
Part Number	CHR155-12
Length	335 ± 2 mm
Width	172 ± 2 mm
Container Height	275 ± 2 mm
Total Height (with terminal)	278 ± 2 mm
Approx Weight	Approx 42.4 kg

Specifications

	Nominal Voltage	12V
	Nominal Capacity (20HR)	155.0AH
Terminal Type	Standard Terminal	T8
Container Material	Standard Option	ABS
Rated Capacity	20HR(1.80V/cell)	155.0AH
	15min rate(1.67V/cell)	539.0Watts/cell
Current	Max Discharge Current	2015A(5s)
	Initial Charging Current	Less than 46.5A
Internal Resistance	Approx 3.1m Ω	
Discharge Characteristics	Operating Temp. Range	Discharge: -15 ~ 50°C
		Charge: 0 ~ 40°C
		Storage: -15 ~ 40°C
	Capacity affect by Temperature	40°C 103%
		25°C 100%
		0°C 86%
Design Floating Life at 20°C	5 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

T8 Terminal



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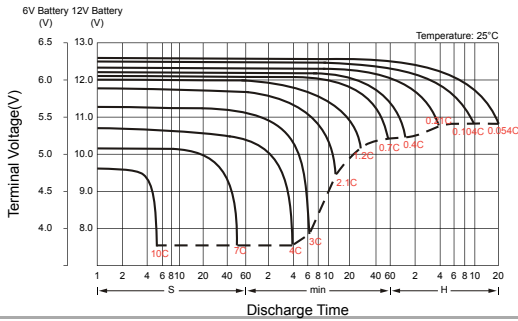
Constant Power Discharge Characteristics at 25°C /77°F, Unit: W

F.V/Time	5min	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	5377	4384	3827	3378	2710	2091	1725	1028	744	595	498	435	349	295	156
1.80V/cell	6154	4808	4178	3713	2930	2232	1813	1068	77.1	612	51.1	44.4	35.6	30.0	15.9
1.75V/cell	710.1	5307	4589	3989	3122	235.1	1902	1107	792	625	52.0	45.2	36.1	30.4	16.2
1.70V/cell	7854	5779	4992	4302	332.1	2465	1979	1136	80.8	638	53.0	45.8	36.7	30.9	16.4
1.67V/cell	852.0	630.1	539.0	454.3	344.4	255.5	203.8	116.8	82.8	65.0	53.9	46.6	37.2	31.2	16.6
1.60V/cell	908.9	667.5	558.6	468.8	354.4	261.2	207.5	117.7	82.9	65.5	54.3	47.1	37.5	31.3	16.6

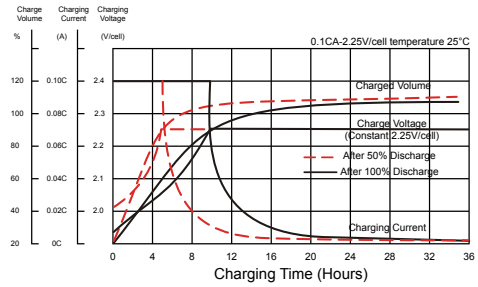
Constant Current Discharge Characteristics at 25°C /77°F, Unit: A

F.V/Time	5min	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	282.7	227.9	197.5	173.4	138.3	106.0	87.0	51.5	37.2	29.6	24.6	21.4	17.1	14.3	7.57
1.80V/cell	327.4	252.0	217.6	192.0	150.7	114.1	92.1	54.0	38.8	30.7	25.5	22.1	17.6	14.7	7.75
1.75V/cell	381.3	281.8	241.2	207.9	161.8	121.1	97.3	56.3	40.1	31.5	26.1	22.6	17.9	15.0	7.93
1.70V/cell	425.9	309.7	265.0	225.9	173.3	127.9	102.0	58.2	41.2	32.3	26.7	23.0	18.3	15.3	8.06
1.67V/cell	466.9	341.3	288.5	240.4	180.8	133.3	105.6	60.1	42.4	33.1	27.3	23.5	18.7	15.5	8.20
1.60V/cell	507.8	369.2	304.4	253.4	190.0	138.9	109.5	61.7	43.2	34.0	28.0	24.2	19.1	15.9	8.36

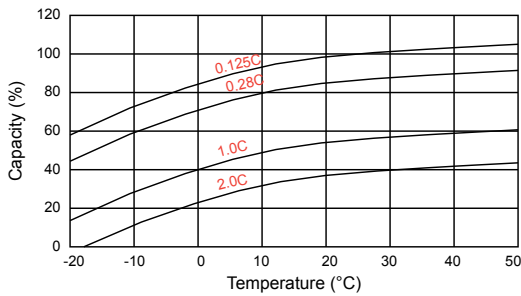
Discharge Characteristics



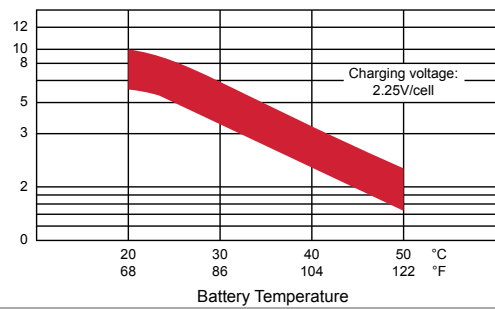
Float Charging Characteristics



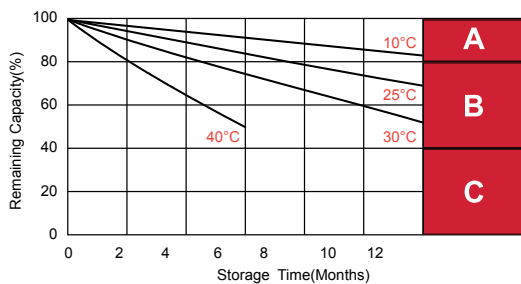
Temperature Effects in Relation to Battery Capacity



Effect of Temperature on Long Term Float Life



Discharge capacity Vs Ambient temperature curve (110A)



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 2.25V/cell.
3. Charged for 8 ~ 10 hours at limited current 0.05CA.

C

Supplementary charge may often fail to recover the capacity.
The battery should never be left standing till this is reached.