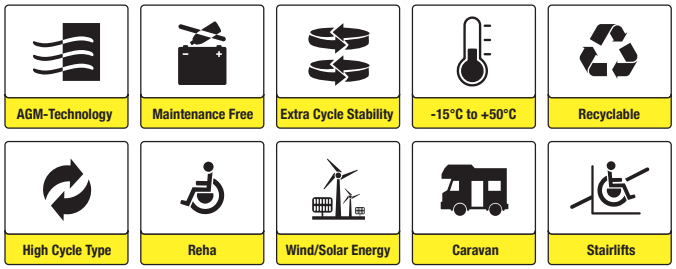
sunbattery®

HC12-15 T2 (12V15Ah)





Applications

- Electric tools
- Vehicle in place of walking
- Lawn mowers
- Golf trolleys
- Portable apparatus, lights and instruments
- Electric toys
- Portable power
- Wheelchairs
- Medical equipments
- Wind/Solar energy
- Electric boats
- Caravan

Certificates

CE Conform to IEC60896-21&22

Specifications

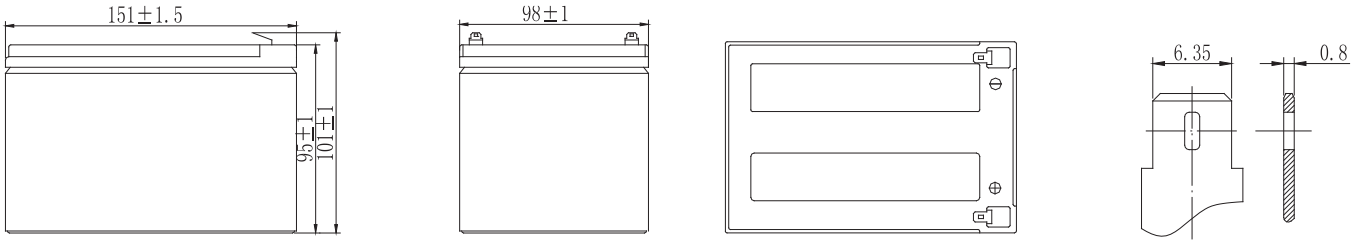
Nominal Voltage	12V	
Nominal Capacity	15 Ah / 0.75 A, 20 hr, 1.75 V/cell	
	12.75 Ah / 2.55 A, 5 hr, 1.75 V/cell	
Approx. Weight	3.9kg (±5%)	
Terminal	T2	
Container Material	ABS UL94 HB	
Max. Discharge Current	210A (5s)	
Internal Resistance	Approx. 15mΩ	
Operating Temp. Range	Discharge:	-15~50°C
	Charge:	-10-50°C
	Storage:	-20~50°C

Nominal Oper. Temp. R.	25±3°C	
Capacity affected by Temp.	40°C	103%
	25°C	100%
	0°C	86%
Self Discharge	HC batteries may be stored for up to 6 months at 25°C and then a freshening charge is required. For higher temperatures the time interval will be shorter. The self discharge is less than 3% per month at 25°C.	
Cycle Life	Approx. 700 cycles at 50% DOD	

Dimensions

- **T2 Terminal**

  Unit: mm | Dimensions: 151±1.5 Length X 98±1 Width X 95±1 Height (101±1 Height incl. Terminal)



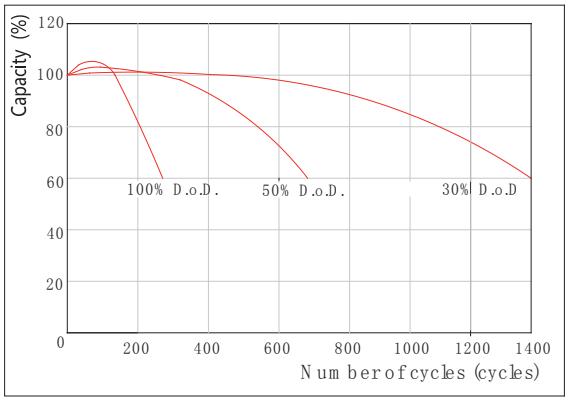
Constant Current Discharge (Amperes) at 25°C

End Point	10min	15min	30min	1h	2h	3h	4h	5h	8h	10h	20h
1.60V/cell	36.0	28.5	15.9	9.75	5.33	3.83	3.06	2.60	1.68	1.42	0.76
1.65V/cell	34.9	27.8	15.6	9.60	5.30	3.80	3.04	2.59	1.67	1.41	0.76
1.70V/cell	33.5	26.8	15.1	9.36	5.25	3.78	3.02	2.57	1.66	1.40	0.75
1.75V/cell	32.0	25.9	14.7	9.17	5.17	3.75	3.00	2.55	1.65	1.40	0.75
1.80V/cell	30.2	24.5	14.2	8.89	5.04	3.64	2.91	2.47	1.60	1.37	0.74

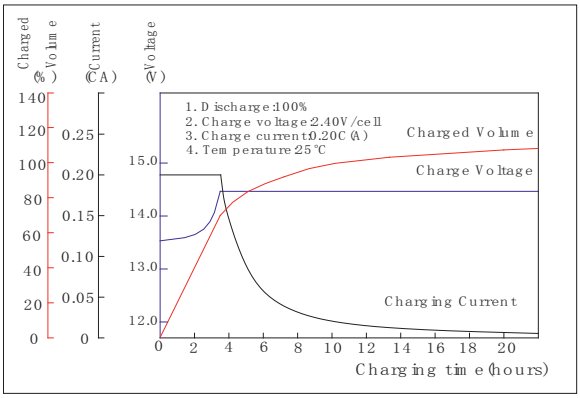
Constant Power Discharge (Watts/cell) at 25°C

End Point	10min	15min	30min	1h	2h	3h	4h	5h	8h	10h	20h
1.60V/cell	67.67	54.17	30.33	18.83	10.38	7.57	6.07	5.18	3.37	2.83	1.52
1.65V/cell	65.67	52.83	29.83	18.50	10.33	7.53	6.03	5.15	3.35	2.82	1.52
1.70V/cell	63.00	50.83	28.83	18.00	10.23	7.48	6.00	5.12	3.32	2.80	1.51
1.75V/cell	60.17	49.17	28.17	17.67	10.08	7.43	5.95	5.07	3.30	2.78	1.50
1.80V/cell	56.83	46.50	27.17	17.17	9.83	7.20	5.78	4.92	3.20	2.73	1.47

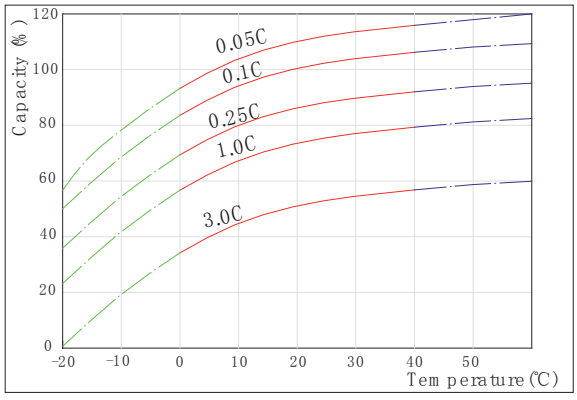
Cycle Service Life in Relation to Depth of Discharge



Charging Characteristics (25°C)



Temperature Effects in Relation to Battery Capacity



Self Discharge Characteristics

