



DESCRIPTION

The CT Leader range is designed for general purpose applications, such as UPS, alarmsystem, telecom and technical utilities. The batteries comply to Eurobat guide Standard Commercial and have a design life of 3-5 years.

FEATURES

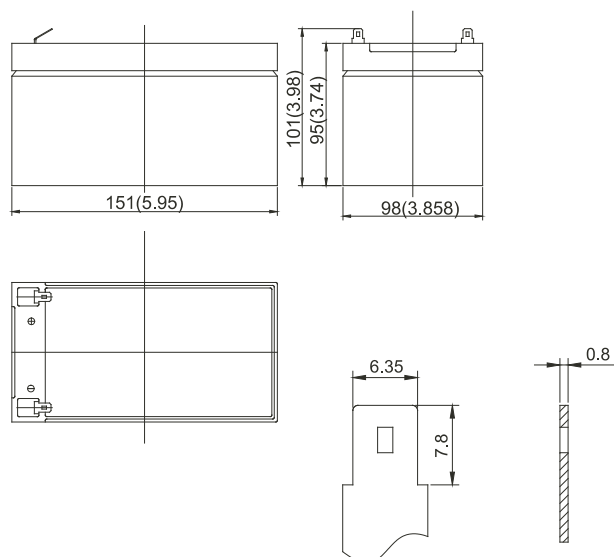
- Valve Regulated Lead Acid Batteries, [AGM].
- Positive and negative plates in lead-calcium alloy.
- Sealed construction
- Maintenance free operation
- 3-5 years design life according to Eurobat Guide - Standard commercial
- Low pressure venting system
- Low selfdischarge
- Six month shelf life at +20° C
- U.L. component recognition

SPECIFICATIONS

Model	CT12-12H
Nominal voltage	12 V
Number of cells	6
Nominal capacity +25° C	
20 hour rate (0,6 A - 10,5V)	12 Ah
10 hour rate (1,14A - 10,5V)	11,8 Ah
5 hour rate (2,05 A - 10,5 V)	10,75 Ah
1 hour rate (8,14 A - 9,60V)	9,28 Ah
Internal resistance	16 mOhm
Self discharge	3% of capacity decline per month at +20° C
Operating temperature range	
Discharge	-20 to +60° C
Charge	-10 to +60° C
Storage	-20 to +60° C
Max discharge current (5 sec)	180 A
Short circuit current	600A
Max. charge current	4,8 A
Charging methods at +20° C	
Cycle use	
Constant voltage charge	14,4 - 14,7 V
Temperature compensation	-30 mV/° C
Stand-by use	
Constant voltage charge	13,6 - 13,8 V
Temperature compensation	-20 mV/° C

DIMENSIONS AND WEIGHT

Length	151 mm
Width	98 mm
Height	95 mm
Total height	101 mm
Weight	4,4 kg



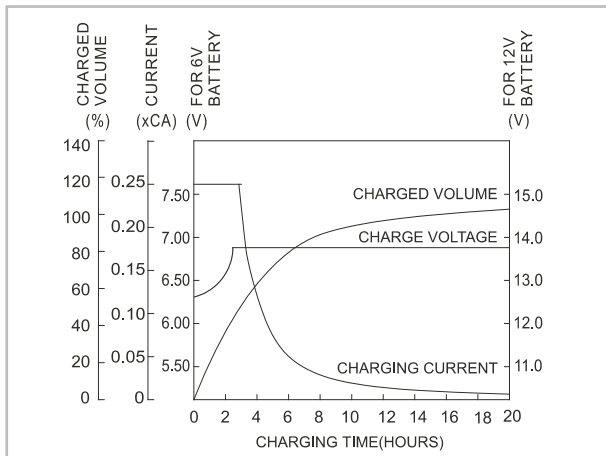
DISCHARGE DATA (AMPERES AT +25 °C)

End voltage (V/cell)	5 min	10 min	15 min	30 min	1 h	3 h	5 h	10 h	20 h
1,60	54,0	37,5	27,0	16,0	9,28	3,50	2,20	1,20	0,61
1,65	52,1	36,3	26,7	15,7	9,17	3,47	2,19	1,20	0,61
1,70	50,5	35,3	26,1	15,4	9,06	3,43	2,17	1,19	0,61
1,75	48,8	34,2	25,5	15,1	8,94	3,40	2,15	1,18	0,60
1,80	47,1	33,3	24,9	14,7	8,84	3,37	2,12	1,16	0,59

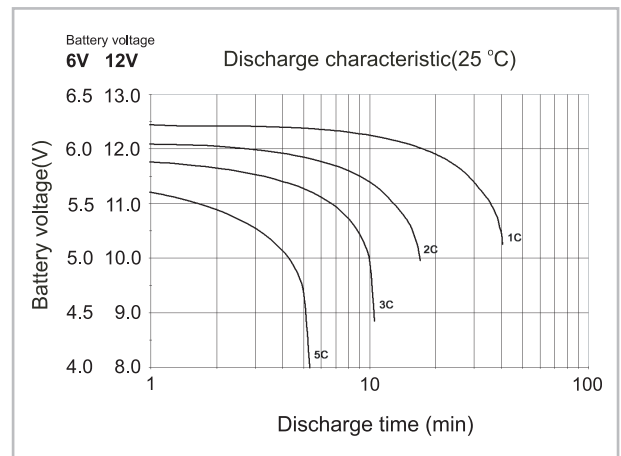
DISCHARGE DATA (WATTS PER CELL AT +25 °C)

End voltage (V/cell)	5 min	10 min	15 min	30 min	45 min	1 h	2 h	3 h	5 h
1,60	105	71,6	56,0	32,4	23,3	18,4	9,69	7,28	4,62
1,65	102	70,4	55,2	31,9	22,9	18,2	9,59	7,21	4,59
1,70	99,1	69,1	54,4	31,4	22,5	18,0	9,50	7,13	4,55
1,75	96,5	67,8	53,5	31,0	22,1	17,8	9,40	7,06	4,52
1,80	93,9	66,6	52,7	30,5	21,7	17,7	9,30	6,99	4,49

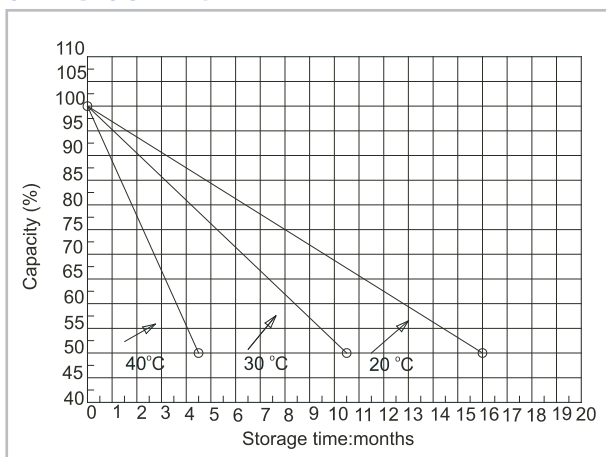
CHARGE CHARACTERISTIC



DISCHARGE CHARACTERISTIC (+25 °C)



SELF DISCHARGE



STATE OF CHARGE IN RELATION TO VOLTAGE

