



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

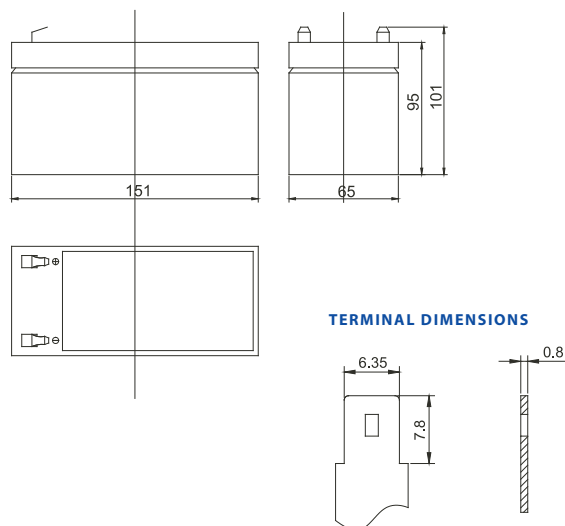
- Valve Regulated Lead Acid Batteries, [AGM].
- Positive and negative plates in lead-calcium alloy.
- Sealed construction
- Maintenance free operation
- 3-5 years design life according to Eurobat Guide - Standard commercial
- Low pressure venting system
- Low selfdischarge
- Six month shelf life at +20°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

SPECIFICATIONS

Model	CT8-12H
Nominal voltage	12 V
Number of cells	6
Nominal capacity +25° C	
20 hour rate (0,40 A - 10,5V)	8 Ah
10 hour rate (0,76A - 10,5V)	7,6 Ah
5 hour rate (1,34 A - 10,5 V)	6,7 Ah
1 hour rate (5,50 A - 9,60V)	5,5 Ah
Internal resistance	20 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)	120 A
Short circuit current	400 A
Max. charge current	3,2 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	65 mm
Height	94 mm
Total height	100 mm
Weight	2,62 kg



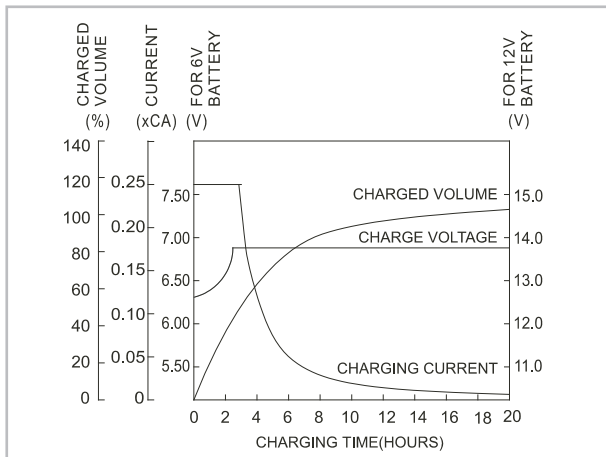
DISCHARGE DATA (AMPERES AT +25 °C)

End voltage (V/cell)	5 min	10 min	15 min	30 min	1 h	3 h	5 h	10 h	20 h
1,60	32,0	22,0	16,0	9,35	5,50	2,18	1,41	0,77	0,42
1,65	31,3	21,5	15,6	9,15	5,43	2,14	1,38	0,77	0,42
1,70	28,6	20,9	15,2	8,92	5,31	2,10	1,36	0,77	0,42
1,75	28,0	20,1	13,7	8,60	5,18	2,05	1,34	0,76	0,40
1,80	27,2	19,3	13,0	8,25	5,02	2,00	1,32	0,76	0,40

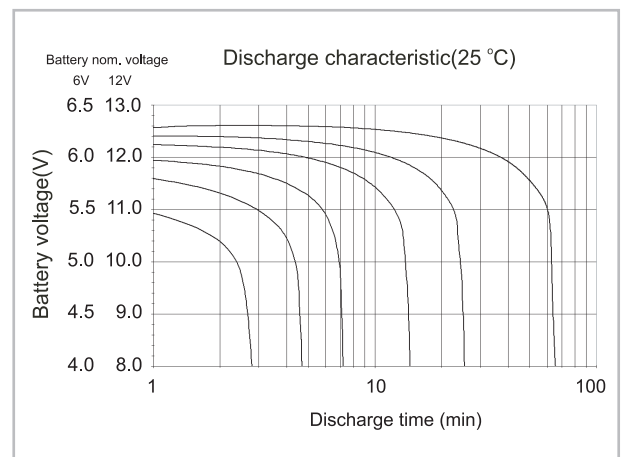
DISCHARGE DATA (WATTS PER CELL AT +25 °C)

End voltage (V/cell)	5 min	10 min	15 min	30 min	45 min	1 h	2 h	3 h	5 h
1,60	68,3	42,7	31,7	18,2	13,8	11,0	6,00	4,09	2,78
1,65	64,8	42,2	31,0	17,8	13,5	10,7	5,93	4,05	2,76
1,70	61,4	40,8	30,1	17,4	13,0	10,4	5,80	3,97	2,73
1,75	58,0	39,3	29,2	16,5	12,3	9,9	5,66	3,85	2,70
1,80	52,6	37,5	27,4	15,4	11,6	9,3	5,51	3,70	2,60

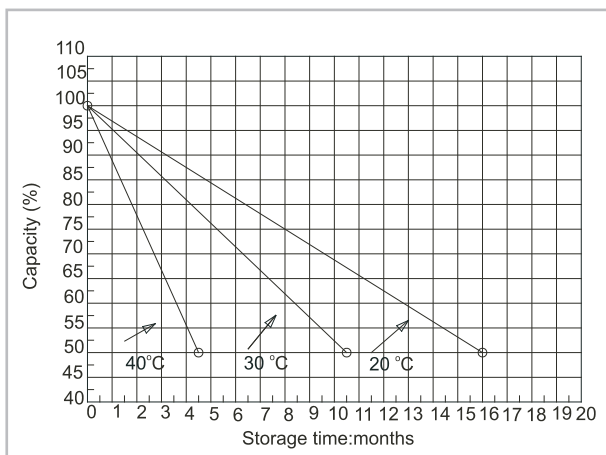
CHARGE CHARACTERISTIC



DISCHARGE CHARACTERISTIC (+25 °C)



SELF DISCHARGE



STATE OF CHARGE IN RELATION TO VOLTAGE

