



DESCRIPTION

The CT Leader range is designed for general purpose applications, such as UPS, alarm systems, telecom and technical utilities. With 10 years design life, the batteries comply to the international standards IEC896-2 and BS6290-4 Eurobat guide.

FEATURES

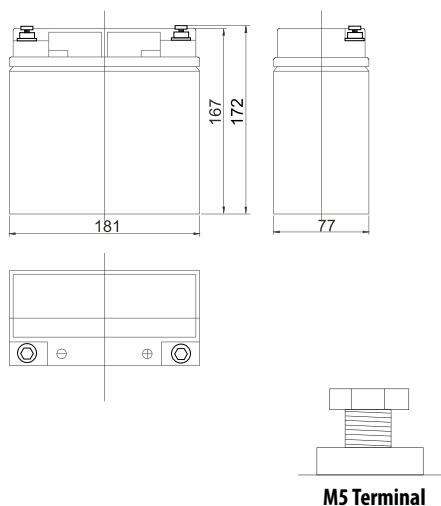
- Valve Regulated Lead Acid Batteries, [AGM].
- Positive and negative plates in lead-calcium alloy.
- Sealed construction
- Maintenance free operation
- 10 years design life according to Eurobat Guide - High Performance.
- Low pressure venting system
- Low selfdischarge
- U.L. component recognition
-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

SPECIFICATIONS

Model	CT17-12 LX
Nominal voltage	12 V
Number of cells	6
Nominal capacity +25° C	
10 hour rate (1,70 A - 10,8V)	17,0 Ah
5 hour rate (3,01 A - 10,5 V)	15,1 Ah
1 hour rate (12,0 A - 9,60V)	12,0 Ah
Internal resistance	10 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)	170 A
Short circuit current	850 A
Max. charge current	5,1 A
Charging methods at +20° C	
Cycle use	
Constant voltage charge	14,4 - 14,7 V
Max. charge current	5,1 A
Stand-by use	
Constant voltage charge	13,6 - 13,8 V
Temperature compensation	-20 mV/° C

DIMENSIONS AND WEIGHT

Length	181 mm
Width	77 mm
Height	167 mm
Total height	172 mm
Weight	5,7 kg





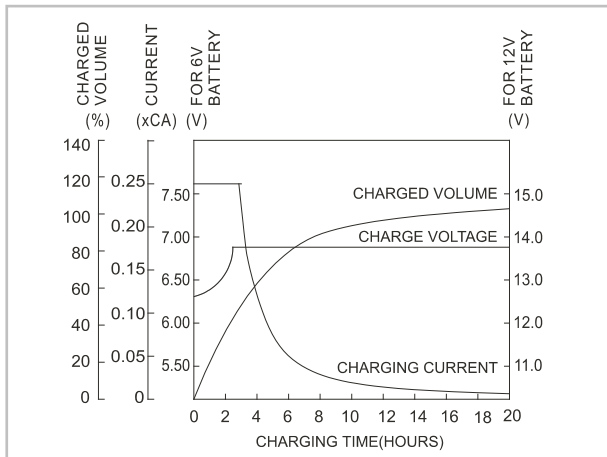
DISCHARGE DATA (AMPERES AT +25 °C)

End voltage (V/cell)	5 min	10 min	15 min	30 min	1 h	2 h	3 h	5 h	10 h	24 h
1,60	67,0	45,3	35,6	20,0	12,0	6,61	4,82	3,18	1,83	0,82
1,65	64,9	44,2	34,0	19,6	11,8	6,40	4,60	3,13	1,75	0,78
1,70	63,0	43,1	33,5	19,0	11,6	6,22	4,43	3,07	1,73	0,77
1,75	60,1	41,9	32,2	18,7	10,8	5,97	4,36	3,01	1,72	0,77
1,80	57,4	40,8	31,0	18,0	10,5	5,84	4,28	2,93	1,70	0,76

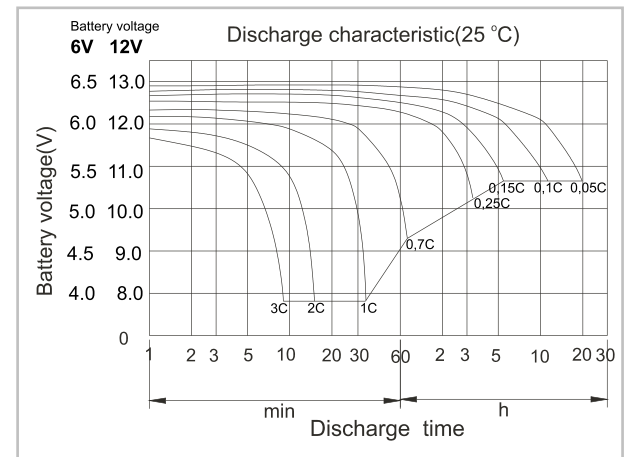
DISCHARGE DATA (WATTS PER CELL AT +25 °C)

End voltage (V/cell)	5 min	10 min	15 min	30 min	1 h	2 h	3 h	5 h	10 h	24 h
1,60	133	65	65	38,3	23,4	12,7	9,10	6,27	3,29	1,55
1,65	127	64,6	64,6	37,8	23,2	12,6	9,01	6,20	3,28	1,52
1,70	118	63,0	63,0	37,2	23,0	12,4	8,90	6,12	3,25	1,51
1,75	115	62,0	62,0	36,7	22,7	12,3	8,83	6,05	3,22	1,50
1,80	111	60,4	60,4	36,1	22,5	12,2	8,74	6,03	3,20	1,49

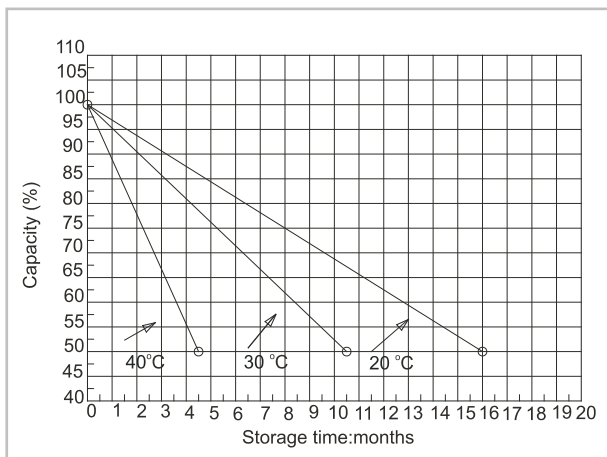
CHARGE CHARACTERISTIC



DISCHARGE CHARACTERISTIC (+25 °C)



SELF DISCHARGE



STATE OF CHARGE IN RELATION TO VOLTAGE

