



LEADER

VALVE REGULATED LEAD ACID BATTERIES - [AGM]

CT7,2-12 [12V-7,2Ah]



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

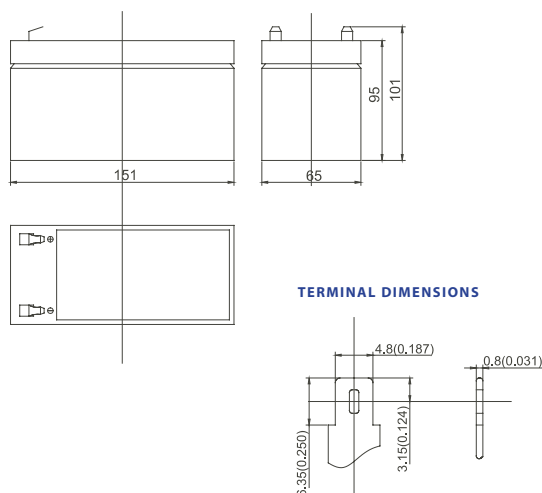
- Valve Regulated Lead Acid Batteries, [AGM].
- Positive and negative plates in lead-calcium alloy.
- Sealed construction
- Maintenance free operation
- 3-5 years design life according to Eurobat Guide - Standard commercial
- Low pressure venting system
- Low selfdischarge
- Six month shelf life at +20°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

SPECIFICATIONS

Model	CT7,2-12
Nominal voltage	12 V
Number of cells	6
Nominal capacity +25° C	
20 hour rate (0,35 A - 10,5V)	7,2 Ah
10 hour rate (0,68A - 10,5V)	6,9 Ah
5 hour rate (1,13 A - 10,5 V)	5,8 Ah
1 hour rate (4,56 A - 9,60V)	4,8 Ah
Internal resistance	22 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)	105 A
Short circuit current	350 A
Max. charge current	2,8 A
Charging methods at +20° C	
Cycle use	
Constant voltage charge	14,5 - 14,9 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

Lenght	151 mm
Width	65 mm
Height	94 mm
Total height	100 mm
Weight	2,5 kg





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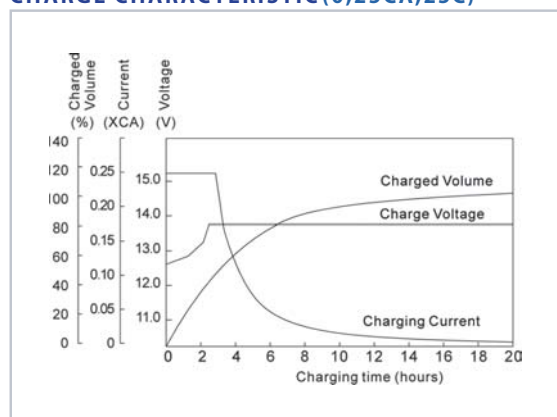
DISCHARGE DATA (AMPERES AT +25 °C)

End voltage (V/cell)	5 min	10 min	15 min	30 min	1 h	3 h	5 h	10 h	20 h
1,60	30,0	18,8	15,3	8,50	4,80	1,88	1,29	0,71	0,38
1,65	28,4	17,9	14,6	8,15	4,63	1,82	1,25	0,70	0,38
1,70	26,8	17,0	13,9	7,86	4,44	1,76	1,20	0,70	0,37
1,75	25,2	16,0	13,2	7,56	4,25	1,69	1,16	0,69	0,36
1,80	23,5	15,1	12,5	7,18	4,04	1,64	1,12	0,67	0,35

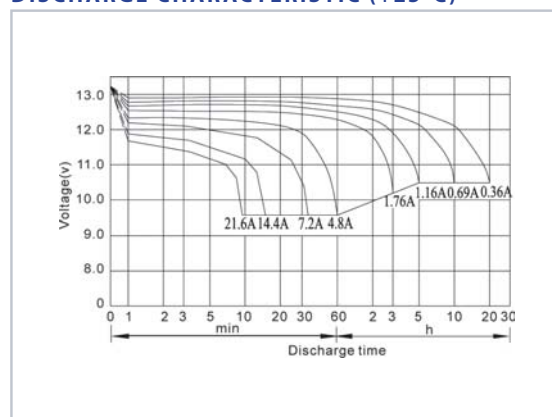
DISCHARGE DATA (WATTS PER CELL AT +25 °C)

End voltage (V/cell)	5 min	10 min	15 min	30 min	45 min	1 h	2 h	3 h	5 h
1,60	53,3	35,8	28,1	15,5	11,8	9,30	5,13	3,68	2,38
1,65	50,7	34,0	27,0	14,9	11,3	8,90	5,02	3,59	2,34
1,70	48,1	32,2	25,9	14,3	10,8	8,53	4,89	3,49	2,30
1,75	45,6	30,4	24,8	13,7	10,4	8,28	4,73	3,38	2,25
1,80	43,1	28,6	23,8	13,2	10,0	7,90	4,58	3,27	2,19

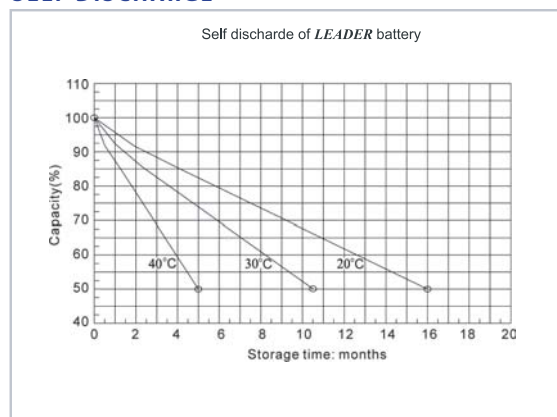
CHARGE CHARACTERISTIC (0,25CA,25C)



DISCHARGE CHARACTERISTIC (+25 °C)



SELF DISCHARGE



STATE OF CHARGE IN RELATION TO VOLTAGE

