



LEADER

VALVE REGULATED LEAD ACID BATTERIES - [AGM]

CT12-12 [12V-12Ah]



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

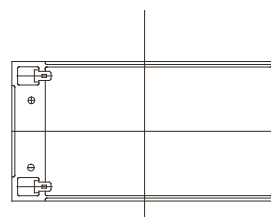
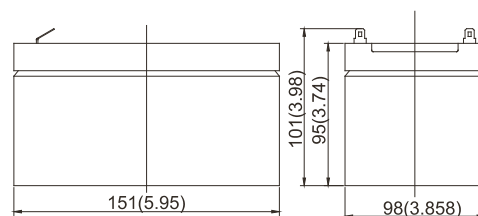
- Valve Regulated Lead Acid Batteries, [AGM].
- Positive and negative plates in lead-calcium alloy.
- Sealed construction
- Maintenance free operation
- 3-5 years design life according to Eurobat Guide - Standard commercial
- Low pressure venting system
- Low selfdischarge
- Six month shelf life at +20°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

SPECIFICATIONS

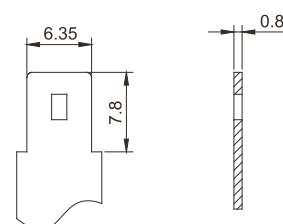
Model	CT12-12
Nominal voltage	12 V
Number of cells	6
Nominal capacity +25° C	
20 hour rate (0,6 A - 10,5V)	12 Ah
10 hour rate (1,14A - 10,5V)	11,4 Ah
5 hour rate (2,05 A - 10,5 V)	10,3 Ah
1 hour rate (8,14 A - 9,60V)	8,1 Ah
Internal resistance	17 mOhm
Self discharge	3% of capacity decline per month at +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

Lenght	151 mm
Width	98 mm
Height	95 mm
Total height	101 mm
Weight	3,9 kg



TERMINAL DIMENSIONS





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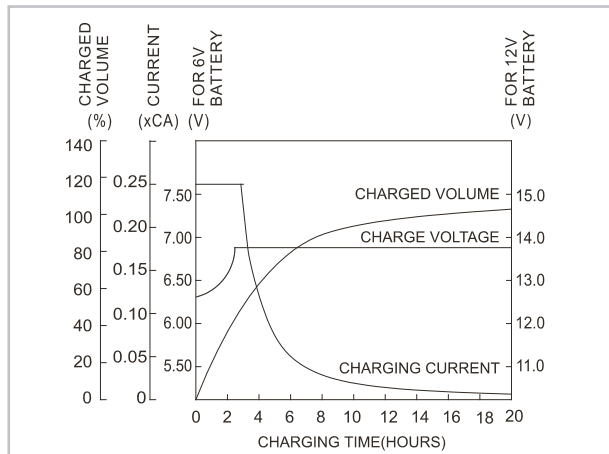
DISCHARGE DATA (AMPERES AT +25 °C)

End voltage (V/cell)	5 min	10 min	15 min	30 min	1 h	3 h	5 h	10 h	24 h
1,60	46,4	31,7	24,8	13,8	8,14	3,18	2,12	1,18	0,61
1,65	45,0	30,8	24,3	13,5	8,04	3,15	2,10	1,17	0,61
1,70	43,5	29,9	23,7	13,3	7,94	3,12	2,07	1,16	0,61
1,75	42,1	29,0	23,2	13,0	7,85	3,09	2,05	1,14	0,60
1,80	40,6	28,2	22,6	12,7	7,75	3,06	2,02	1,12	0,59

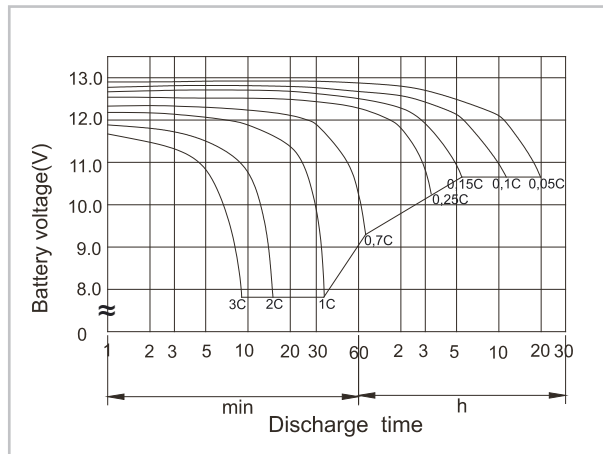
DISCHARGE DATA (WATTS PER CELL AT +25 °C)

End voltage (V/cell)	5 min	10 min	15 min	30 min	1 h	3 h	5 h	10 h	24 h
1,60	86,2	58,7	46,7	27,0	20,6	16,1	8,50	6,50	4,20
1,65	84,1	57,7	46,0	26,6	20,4	16,0	8,42	6,44	4,17
1,70	81,9	56,6	45,3	26,2	20,1	15,8	8,33	6,37	4,14
1,75	79,8	55,6	44,6	25,8	19,9	15,7	8,25	6,31	4,11
1,80	77,6	54,6	43,9	25,4	19,6	15,5	8,16	6,24	4,08

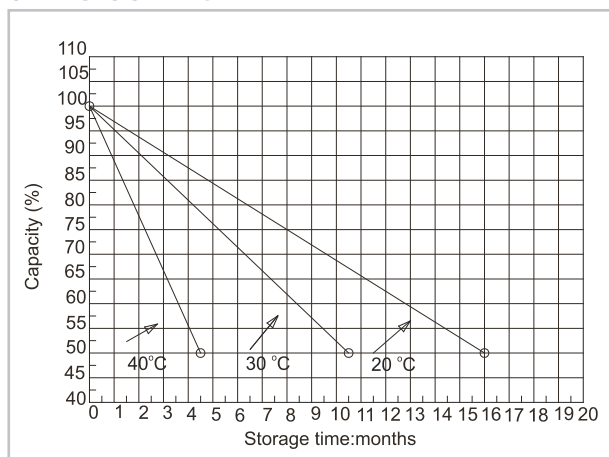
CHARGE CHARACTERISTIC



DISCHARGE CHARACTERISTIC (+25 °C)



SELF DISCHARGE



STATE OF CHARGE IN RELATION TO VOLTAGE

