CTL 110-12

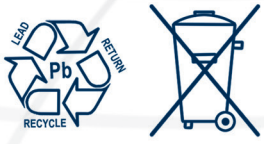
Datasheet

Innovative Features

- Completely maintenance free, sealed construction eliminates the need for watering
- Special formation process
- Analytical Grade electrolyte
- Spill proof / leak proof
- Valve regulated Max internal pressure 2.5 psi
- Multi-position usage
- ABS Case and cover - V0 on request
- Low self discharge
- FAA and IATA approved as non-hazardous
- Built to comply with IEC 896- 2, DIN 43534, BS 6290 Pt4, Eurobat.

Specifications

Nominal Voltage	12 Volts
Nominal Capacity	125Ah (C20)
Design Life	12 Years
Operating Temperature	-20 °C to 50 °C
Grid alloy	Calcium / Tin lead alloy
Plates	Flat Pasted
Separator	Absorbant Glass Mat
Active material	Very high purity lead
Case and cover	ABS (VO on request)
Charge Voltage	Float 2.25 - 2.30 VPC @25 °C Cycling See Haze Cyclic charging profile Max ripple 0.05C (A)
Electrolyte	Sulphuric acid Analytical grade purity
Venting Valve	EPDM Rubber 1.5 to 2 psi (10.5 - 14 KPa) release pressure. Resealing at 1 psi (7 KPa)
Terminal	Insert 16mm Dia M6 thread. Epoxy sealed by extended mechanical paths
Torque setting	The recommended torque value for all types is 5-7 Nm
Cables	Connectors, cables, terminal covers on request.



CTM GmbH keenly encourages environmental awareness; PLEASE follow guidlines for recycling/disposal of lead

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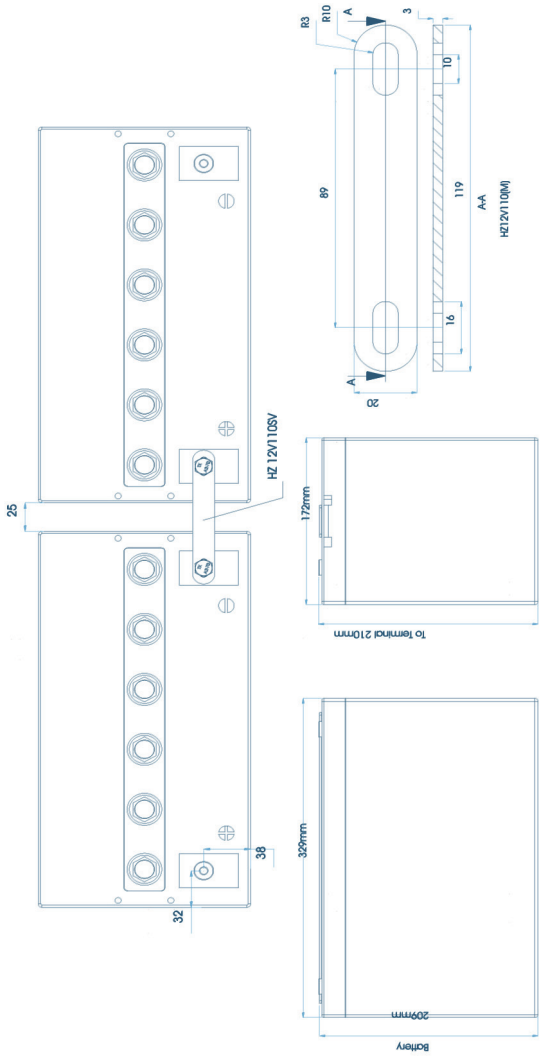
We power the future.

Specifications

	Nominal Voltage Nominal Capacity	12V 125 Ah	
Dimensions	Total Height (Inc. terminals) Length Width Weight	209 mm n/a mm 329 mm 173 mm 32,6 Kg	8,23 inches n/a inches 12,95 inches 6,81 inches 72,05 lbs



Characteristics

Capacity 20 °C (68 °F) To 1,7 volts	20 hour rate 10 hour rate 5 hour rate 1 hour rate 15 min rate Internal Resistance Impedance	125.6 Ah 121.4 Ah 118.9 Ah 78.3 Ah 52.5 Ah 3.2 mOhms 1200 S
Capacity corrections for Temperature Variations (C20)	40 °C (104 F) 20 °C (68 F) 0 °C (32 F) -15 °C (5 F)	102% 100% 85% 65%
Self-Discharge 20 °C (68 °F)	Capacity after 1 months storage Capacity after 3 months storage Capacity after 6 months storage	98% 94% 86%
Short Circuit Current 20 °C (68 °F)	3000	
Terminal	Standard Optional	16mm Insert M6 thread Cu/Lead Flag - J Type - Auto
Charging (Constant Voltage)	Cyclic Float	2,35 - 2,40 VPC (20-25°C) 2,27 - 2,30 VPC (15-25 °C)

Constant Power Discharge - Watts per Cell @ 20-25 °C

End V per Cell	5M	10M	15M	20M	25M	30M	35M	40M	45M	60M	90M	2hr	3hr	4hr	5hr	6hr	7hr	8hr	10hr	12hr	20hr
1.85	717	439	345	291	251	222	201	183	167	134	95.2	75.5	54.8	43.8	36.9	31.7	27.8	24.9	20.4	17.4	11.0
1.80	766	469	369	311	268	238	215	196	179	143	102	80.7	58.6	46.8	39.4	33.8	29.7	26.6	21.8	18.6	11.8
1.75	814	499	392	331	285	253	229	208	190	152	108	85.8	62.3	49.7	41.9	36.0	31.6	28.2	23.2	19.8	12.5
1.70	832	510	401	338	292	258	234	213	195	155	111	87.7	63.7	50.8	42.8	36.8	32.3	28.9	23.7	20.2	12.8
1.67	840	514	405	341	294	261	236	215	196	157	112	88.5	64.2	51.3	-	-	-	-	-	-	-
1.65	843	516	406	343	295	262	237	216	197	157	112	88.8	64.5	51.5	-	-	-	-	-	-	-
1.60	851	521	410	346	298	264	239	218	199	159	113	89.7	65.1	52.0	-	-	-	-	-	-	-

Constant Amps Discharge - Amps @ 20-25 °C

End V per Cell	5M	10M	15M	20M	25M	30M	35M	40M	45M	60M	90M	2hr	3hr	4hr	5hr	6hr	7hr	8hr	10hr	12hr	20hr
1.85	324	223	181	151	131	115	103	93.0	84.5	67.4	49.0	39.3	28.7	22.8	18.9	16.1	14.1	12.5	10.2	8.71	5.41
1.80	347	238	193	162	140	123	110	99.4	90.2	72.0	52.4	42.0	30.6	24.4	20.2	17.2	15.0	13.4	10.9	9.30	5.78
1.75	369	253	205	172	149	131	117	106	96.0	76.6	55.7	44.6	32.6	25.9	21.5	18.3	16.0	14.2	11.6	9.90	6.14
1.70	377	259	210	176	152	133	119	108	98.1	78.3	57.0	45.6	33.3	26.5	22.0	18.7	16.3	14.5	11.9	10.11	6.28
1.67	380	261	212	177	154	135	120	109	99.0	78.9	57.5	46.0	33.6	26.7	-	-	-	-	-	-	-
1.65	382	262	213	178	154	135	121	109	99.4	79.3	57.7	46.2	33.7	26.8	-	-	-	-	-	-	-
1.60	385	265	215	180	156	136	122	110	100	80.0	58.2	46.6	34.0	27.1	-	-	-	-	-	-	-

Ampere Hour @ 20-25 °C

End V per Cell	2hr	3hr	4hr	5hr	6hr	7hr	8hr	10hr	12hr	20hr
1.85	78.6	86.0	91.2	94.6	96.7	98.4	100	102	105	108
1.80	83.9	91.9	97.5	101	103	105	107	109	112	116
1.75	89.3	97.7	104	108	110	112	114	116	119	123
1.70	91.2	99.9	106	110	112	114	116	119	121	126
1.67	92.0	101	107	-	-	-	-	-	-	-
1.65	92.4	101	107	-	-	-	-	-	-	-
1.60	93.3	102	108	-	-	-	-	-	-	-