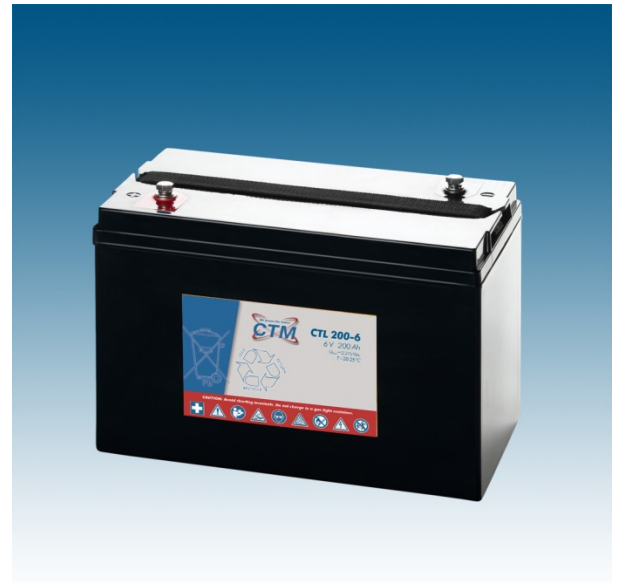


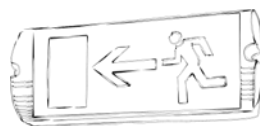
Product features

- Maintenance free battery, no need for watering
- Specific environmentally friendly formation process
- Spill & leak proof construction
- Analytical grade electrolyte
- Safety valves
- Container and lid made from ABS (UL 94 V-0 version available on request)
- Low self-discharge
- Non dangerous good according to FAA and IATA classification
- Complies with the following standards: IEC 60896-21/22, EUROBAT



Specification

Nominal voltage	6 V
Nominal capacity	200 Ah
Design life	12 years
Operating temperature	-20°C to 50°C (-4°F to 122°F)
Grid alloy	Lead-calcium-tin
Electrode design	Flat grid, pasted
Separator	Absorbent Glass Mat (AGM)
Active material	High purity lead and lead dioxide
Container and lid	ABS UL 94 HB (V-0 version on request)
Charge voltage	Float charging: 2.275 Vpc @ 20°C (68°F) Cyclic use: see instruction for use
Electrolyte	Maximum ripple: 0.05 C (A) Purified high grade sulfuric acid
Safety valve	EPDM rubber, opening pressure 10.5 to 14 kPa (1.5 to 2 psi), closing pressure ca. 7 kPa (1 psi)
Terminal	Insert M8



CTM GmbH encourages environmental awareness. Please observe all existing guidelines for recycling/disposal of lead.

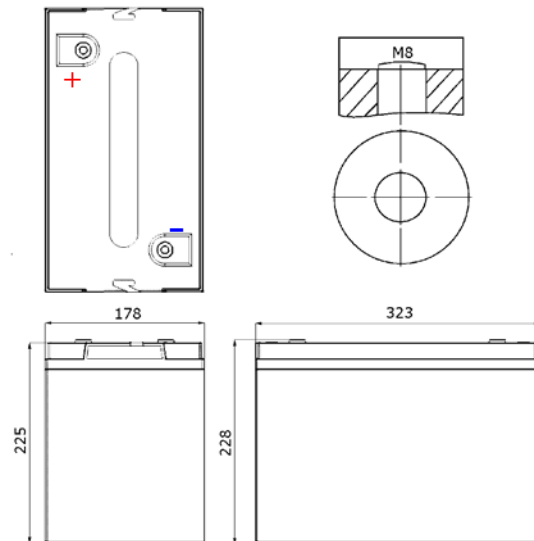
Physical Data

Dimension (±2 mm/± 0.08 inch)

Length	323 mm	12.72 inches
Width	178 mm	7.01 inches
Height	225 mm	8.86 inches
Height incl. terminal	228 mm	8.98 inches
Weight	30.9 kg	68.29 lbs.
Terminal	Standard	Insert M8
	Option	-

Electrical Data

Nominal voltage	6 V	
Capacity 20°C (68°F) to 1.7 Vpc	20 h	247 Ah
	10 h	232 Ah
	5 h	209 Ah
	1 h	146 Ah
	15 min	80.8 Ah
Internal resistance	Impedance	1.25 mΩ
		2050 S
Temperature correction factors (C20)	40°C (104°F)	102%
	20°C (68°F)	100%
	0°C (32°F)	85%
	-15°C (5°F)	65%
Self-discharge at 20°C (68°F) - capacity after	1 month storage	98%
	3 months storage	94%
	6 months storage	86%
Short circuit current	A @ 20°C (68°F)	5000
Charging voltage	Float charging	2.27-2.30 Vpc 25-15°C (77-59°F)
	cyclic	See operating instruction



Constant current discharge – A @ 20°C (68°F)

Uf Vpc	5 min	10 min	15 min	20 min	30 min	60 min	2 h	3 h	5 h	8 h	10 h	20 h
1.85	422	322	278	243	206	126	73.5	53.7	36.1	24.2	20.0	10.6
1.80	451	344	297	259	220	134	78.5	57.4	38.5	25.8	21.3	11.3
1.75	480	366	316	276	234	143	83.5	61.0	41.0	27.5	22.7	12.1
1.70	491	374	323	282	239	146	85.3	62.4	41.9	28.1	23.2	12.3
1.65	497	379	327	286	242	148	86.4	63.2	-	-	-	-
1.60	502	382	330	288	244	149	87.3	63.8	-	-	-	-

Constant power discharge – Watt per cell @ 20°C (68°F)

Uf Vpc	5 min	10 min	15 min	20 min	30 min	60 min	2 h	3 h	5 h	8 h	10 h	20 h
1.85	834	583	498	435	367	236	140	103	69.2	47.1	38.7	21.1
1.80	891	623	532	465	392	252	149	110	73.9	50.3	41.3	22.5
1.75	948	662	566	494	417	268	159	117	78.6	53.6	43.9	24.0
1.70	969	677	578	505	426	274	162	119	80.4	54.7	44.9	24.5
1.65	981	686	585	511	431	278	164	121	-	-	-	-
1.60	990	692	591	516	435	280	166	122	-	-	-	-

Capacity – Ah @ 20°C (68°F)

Uf Vpc	2 h	3 h	5 h	8 h	10 h	20 h
1.85	147	161	180	193	200	213
1.80	157	172	193	207	213	227
1.75	167	183	205	220	227	242
1.70	171	187	209	225	232	247
1.65	173	190	-	-	-	-
1.60	175	191	-	-	-	-

