

Product features

- Maintenance free battery, no need for watering
- Special formation process
- Analytical grade electrolyte
- Spill proof / leak proof construction
- Safety valve, maximum internal pressure 17 kPa / 2.5 psi
- Container and lid made from ABS (UL 94 V-0 version 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	12.0 Ah
Design life	5 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 dioxides
Container and lid	ABS UL 94 HB (V-0 version on request)
Charge voltage	Float charging: 2.27 – 2.30 Vpc @25-15°C Cyclic use: see Instruction for use Maximum ripple: 0.05 C (A)
Electrolyte	Purified high grade sulphuric acid
Safety valve	EPDM Copolymer, opening pressure 10.5 to 14 kPa (1.5 to 2 psi), closing pressure ca. 7 kPa (1 psi)
Terminal	Fast on 4.8 mm, as option Fast on 6.3 mm



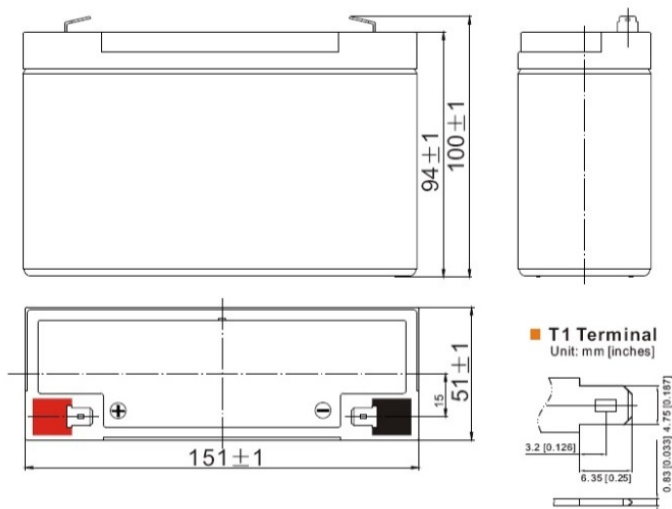
CTM GmbH keenly encourages environmental awareness. Please follow all existing guidelines for recycling/disposal of lead

Technical data

Nominal voltage		6 V	
Nominal capacity		12.0 Ah (C _{20h})	
Dimension (±1 mm / ±0.04 inch)	Length	151 mm	5.94 inches
	Width	51 mm	2.01 inches
	Height	94/100 mm	3.70/3.94 in.
	Weight	2.0 kg	4.52 lbs.

Characteristics

Capacity 20°C (68°F) to 1.8 Vpc	20 h	13.0 Ah
	10 h	12.1 Ah
	5 h	10.6 Ah
	1 h	7.1 Ah
	15 min	4.7 Ah
Internal resistance		10.0 mΩ
Impedance		-
Temperature correction factors	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)	300
Terminal	Standard	Fast on 4.8 mm
	Option	Fast on 6.3 mm
Charging voltage	Cyclic	See operating instruction
	Float charging	2.27-2.30 Vpc 25-15°C (77-59°F)



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

Uf Vpc	5 min	10 min	15 min	20 min	30 min	45 min	60 min	2 h	3 h	5 h	8 h	10 h	20 h
1.85	24.7	19.0	15.7	13.5	10.5	8.0	6.4	3.9	2.9	2.0	1.40	1.16	0.64
1.80	33.3	23.7	19.0	16.1	12.2	8.9	7.1	4.2	3.1	2.1	1.45	1.21	0.65
1.75	37.4	25.8	20.8	17.3	12.9	9.4	7.4	4.3	3.2	2.2	1.48	1.23	0.66
1.70	41.2	28.1	22.2	18.2	13.4	9.7	7.7	4.4	3.3	2.2	1.51	1.25	0.67
1.65	45.5	30.3	23.5	19.4	14.2	10.1	8.0	4.6	3.4	2.3	1.54	1.27	0.68

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

Uf Vpc	5 min	10 min	15 min	20 min	30 min	45 min	60 min	2 h	3 h	5 h	8 h	10 h	20 h
1.85	46.6	36.2	30.2	26.0	20.5	15.6	12.6	7.7	5.8	4.1	2.82	2.34	1.29
1.80	62.2	44.8	36.3	31.0	23.6	17.4	14.0	8.3	6.2	4.2	2.91	2.44	1.31
1.75	69.3	48.5	39.5	33.1	24.9	18.2	14.5	8.5	6.3	4.3	2.95	2.47	1.33
1.70	75.2	52.0	41.7	34.4	25.6	18.7	14.9	8.6	6.4	4.3	2.99	2.48	1.33
1.65	80.7	54.8	43.2	35.9	26.7	19.2	15.3	8.9	6.5	4.4	3.02	2.50	1.34

Capacity – Ah @20°C (68°F)

Uf Vpc	2 h	3 h	5 h	8 h	10 h	20 h
1.85	7.7	8.8	10.2	11.2	11.6	12.7
1.80	8.4	9.3	10.6	11.6	12.1	13.0
1.75	8.6	9.5	10.8	11.8	12.3	13.2
1.70	8.8	9.7	11.0	12.0	12.5	13.4
1.65	9.2	10.0	11.3	12.3	12.7	13.6

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