

**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	5.0 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



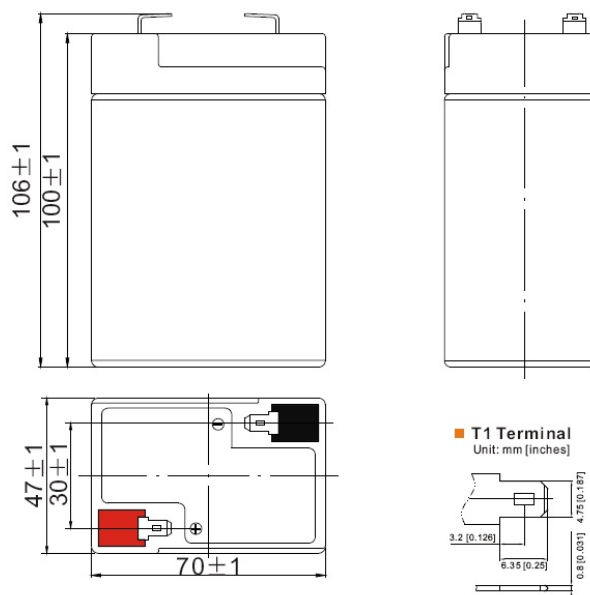
CTM GmbH keenly encourages environmental awareness. Please follow all existing guidelines for recycling/disposal of lead

## Technical data

Nominal voltage		6 V	
Nominal capacity		5.0 Ah (C <sub>20h</sub> )	
Dimension (±1 mm / ±0.04 inch)	Length	70 mm	2.76 inches
	Width	47 mm	1.85 inches
	Height	100/106 mm	3.94/4.17 in.
	Weight	0.8 kg	1.79 lbs.

## Characteristics

Capacity 20°C (68°F) to 1.8 Vpc	20 h	4.5 Ah
	10 h	4.2 Ah
	5 h	3.6 Ah
	1 h	2.5 Ah
	15 min	1.7 Ah
Internal resistance		25.0 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)	150
Terminal	Standard	Fast on 4.8 mm
	Option	-
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	10.3	7.5	6.4	5.4	4.0	2.9	2.3	1.4	1.0	0.7	0.49	0.40	0.22
1.80	12.4	8.8	7.1	5.9	4.3	3.1	2.5	1.4	1.1	0.7	0.50	0.42	0.23
1.75	13.8	9.6	7.6	6.2	4.5	3.2	2.6	1.5	1.1	0.7	0.51	0.43	0.23
1.70	15.1	10.2	8.0	6.5	4.6	3.3	2.6	1.5	1.1	0.8	0.52	0.43	0.23
1.65	16.8	11.1	8.6	6.9	4.9	3.4	2.7	1.6	1.1	0.8	0.53	0.44	0.24

## 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	19.5	14.3	12.3	10.5	7.7	5.7	4.6	2.7	2.0	1.4	0.98	0.81	0.45
1.80	23.1	16.6	13.6	11.4	8.3	6.0	4.8	2.8	2.1	1.5	1.01	0.84	0.45
1.75	25.6	18.0	14.4	11.9	8.6	6.3	5.0	2.9	2.2	1.5	1.02	0.85	0.46
1.70	27.5	19.0	15.0	12.4	8.8	6.4	5.1	3.0	2.2	1.5	1.03	0.86	0.46
1.65	29.8	20.0	15.7	12.8	9.1	6.6	5.2	3.0	2.2	1.5	1.05	0.86	0.47

## Capacity – Ah @20°C (68°F)

Uf Vpc	2 h	3 h	5 h	8 h	10 h	20 h
1.85	2.7	3.0	3.5	3.8	4.0	4.4
1.80	2.8	3.2	3.6	4.0	4.2	4.5
1.75	2.9	3.3	3.7	4.0	4.2	4.6
1.70	3.0	3.3	3.8	4.1	4.3	4.6
1.65	3.1	3.4	3.9	4.2	4.4	4.7

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