

**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	3.0 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



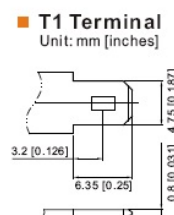
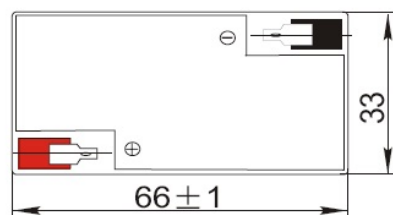
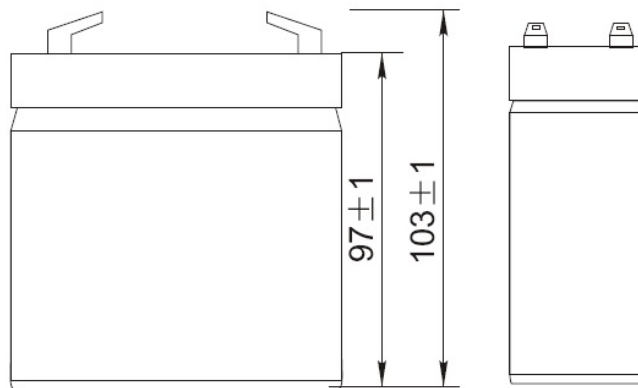
CTM GmbH keenly encourages environmental awareness. Please follow all existing guidelines for recycling/disposal of lead

### Technical data

Nominal voltage		6 V	
Nominal capacity		3.0 Ah (C <sub>20h</sub> )	
Dimension (±1 mm / ±0.04 inch)	Length	66 mm	2.60 inches
	Width	33 mm	1.30 inches
	Height	97/103 mm	3.82/4.05 in.
	Weight	0.6 kg	1.26 lbs.

### Characteristics

Capacity 20°C (68°F) to 1.8 Vpc	20 h	2.8 Ah
	10 h	2.6 Ah
	5 h	2.2 Ah
	1 h	1.5 Ah
	15 min	1.0 Ah
Internal resistance		30.0 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)	90
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	6.4	4.4	3.6	3.2	2.5	1.8	1.4	0.9	0.6	0.4	0.30	0.25	0.14
1.80	7.7	5.3	4.3	3.6	2.7	1.9	1.5	0.9	0.7	0.5	0.31	0.26	0.14
1.75	8.6	6.0	4.7	3.9	2.8	2.0	1.6	0.9	0.7	0.5	0.32	0.27	0.14
1.70	9.4	6.4	5.0	4.1	2.9	2.0	1.6	0.9	0.7	0.5	0.33	0.27	0.14
1.65	10.4	6.9	5.3	4.3	3.0	2.1	1.7	1.0	0.7	0.5	0.33	0.27	0.15

### 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	12.1	8.5	7.1	6.2	4.8	3.5	2.8	1.7	1.3	0.9	0.61	0.51	0.28
1.80	14.4	10.1	8.2	7.0	5.2	3.8	3.0	1.8	1.3	0.9	0.63	0.52	0.28
1.75	15.9	11.2	8.9	7.4	5.3	3.9	3.1	1.8	1.4	0.9	0.64	0.53	0.29
1.70	17.1	11.8	9.3	7.7	5.5	4.0	3.1	1.8	1.4	0.9	0.64	0.53	0.29
1.65	18.5	12.4	9.8	8.0	5.7	4.1	3.2	1.9	1.4	1.0	0.65	0.54	0.29

### Capacity – Ah @20°C (68°F)

Uf Vpc	2 h	3 h	5 h	8 h	10 h	20 h
1.85	1.7	1.9	2.1	2.4	2.5	2.7
1.80	1.7	1.9	2.2	2.5	2.6	2.8
1.75	1.8	2.0	2.3	2.5	2.6	2.8
1.70	1.8	2.0	2.3	2.6	2.6	2.8
1.65	1.9	2.1	2.4	2.6	2.7	2.9

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