

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	20.0 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	Flag post, hole 5.5mm



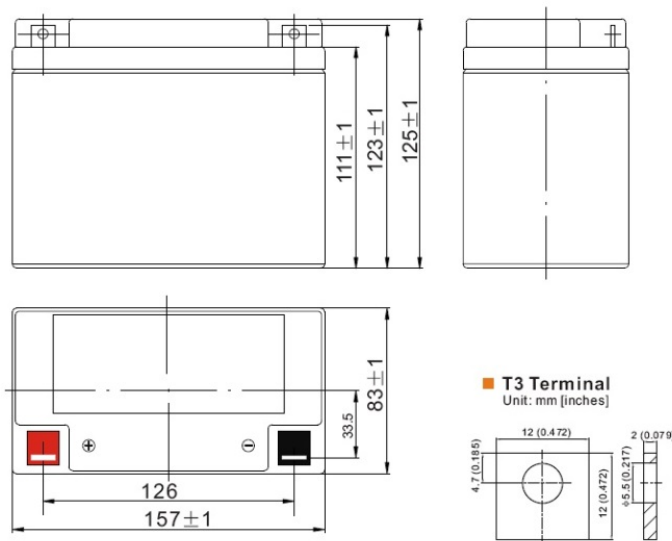
CTM GmbH keenly encourages environmental awareness. Please follow all existing guidelines for recycling/disposal of lead

Technical data

Nominal voltage		6 V	
Nominal capacity		20.0 Ah (C _{20h})	
Dimension (±1 mm / ±0.04 inch)	Length	157 mm	6.18 inches
	Width	83 mm	3.27 inches
	Height	125 mm	4.92 inches
	Weight	3.2 kg	7.08 lbs.

Characteristics

Capacity 20°C (68°F) to 1.8 Vpc	20 h	20.0 Ah
	10 h	18.7 Ah
	5 h	16.3 Ah
	1 h	11.0 Ah
	15 min	7.3 Ah
Internal resistance		9.0 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)	600
Terminal	Standard	Flag post 5.5 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	40.4	29.2	24.5	20.7	16.2	12.3	9.9	6.0	4.5	3.1	2.16	1.79	0.98
1.80	51.2	36.5	29.2	24.8	18.7	13.7	11.0	6.5	4.8	3.3	2.24	1.87	1.00
1.75	57.6	39.7	32.0	26.6	19.8	14.4	11.4	6.7	4.9	3.3	2.27	1.90	1.02
1.70	63.4	43.2	34.2	28.0	20.6	14.9	11.8	6.8	5.0	3.4	2.32	1.92	1.03
1.65	70.0	46.7	36.2	29.8	21.8	15.5	12.3	7.1	5.2	3.5	2.37	1.96	1.05

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	79.3	55.6	46.5	40.0	31.5	24.1	19.4	11.8	9.0	6.3	4.35	3.60	1.98
1.80	95.7	69.0	55.8	47.7	36.3	26.8	21.5	12.8	9.5	6.5	4.48	3.75	2.01
1.75	106.7	74.6	60.8	50.9	38.3	28.0	22.3	13.1	9.7	6.6	4.54	3.79	2.04
1.70	115.7	80.0	64.2	53.0	39.4	28.8	22.9	13.3	9.8	6.7	4.59	3.81	2.05
1.65	124.2	84.2	66.4	55.3	41.1	29.5	23.5	13.7	10.0	6.8	4.65	3.84	2.07

Capacity – Ah @20°C (68°F)

Uf Vpc	2 h	3 h	5 h	8 h	10 h	20 h
1.85	11.9	13.5	15.7	17.2	17.9	19.6
1.80	12.9	14.4	16.3	17.9	18.7	20.0
1.75	13.3	14.7	16.6	18.1	19.0	20.4
1.70	13.6	15.0	16.9	18.5	19.2	20.6
1.65	14.1	15.5	17.4	18.9	19.6	21.0

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