Datasheet

CT 0.8-12JST

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	12 V
Nominal capacity	0.8 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	Wires with JST-plug, AMP connector on request

Pb

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

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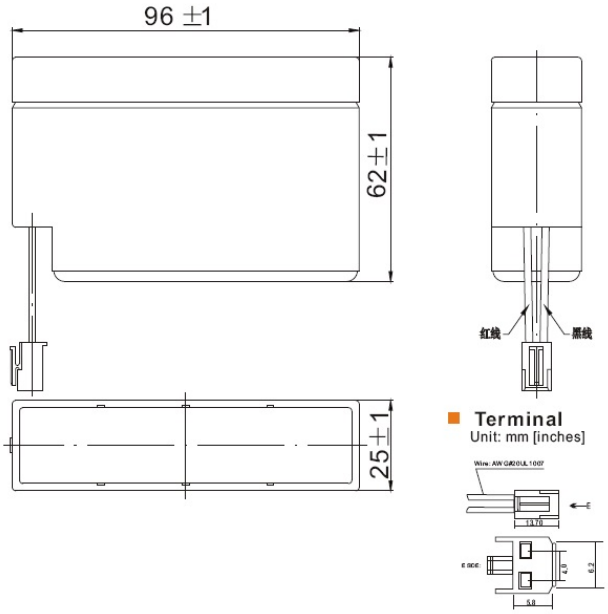
Technical data

Nominal voltage		12 V	
Nominal capacity		0.8 Ah (C_{20h})	
Dimension (±1 mm / ±0.04 inch)	Length	96 mm	3.78 inches
	Width	25 mm	0.98 inches
	Height	62 mm	2.44 inches
	Weight	0.3 kg	0.77 lbs.

Characteristics

Capacity 20°C (68°F) to 1.8 Vpc	20 h 10 h 5 h 1 h 15 min Internal resistance Impedance	0.8 Ah 0.7 Ah 0.6 Ah 0.4 Ah 0.25 Ah 150.0 mΩ -
Temperature correction factors	40°C (104°F) 20°C (68°F) 0°C (32°F) -15°C (5°F)	102% 100% 85% 65%
Self-discharge at 20°C (68°F) - Capacity after	1 month storage 3 months storage 6 months storage	98% 94% 86%
Short circuit current	A @ 20°C (68°F)	16
Terminal	Standard	Wires with JST plug
	Option	AMP
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	1.5	1.1	0.9	0.8	0.6	0.5	0.4	0.2	0.2	0.1	0.09	0.07	0.04
1.80	1.9	1.3	1.0	0.9	0.7	0.5	0.4	0.3	0.2	0.1	0.09	0.07	0.04
1.75	2.2	1.4	1.1	0.9	0.7	0.5	0.4	0.3	0.2	0.1	0.09	0.08	0.04
1.70	2.5	1.6	1.2	1.0	0.8	0.6	0.5	0.3	0.2	0.1	0.09	0.08	0.04
1.65	2.8	1.7	1.3	1.1	0.8	0.6	0.5	0.3	0.2	0.1	0.10	0.08	0.04

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	2.9	2.0	1.7	1.5	1.2	0.9	0.8	0.5	0.3	2.2	0.17	0.14	0.08
1.80	3.5	2.4	2.0	1.7	1.3	1.0	0.8	0.5	0.3	2.3	0.18	0.15	0.08
1.75	4.1	2.7	2.1	1.8	1.4	1.1	0.9	0.5	0.3	2.3	0.18	0.15	0.08
1.70	4.6	2.9	2.3	1.9	1.5	1.1	0.9	0.5	0.3	2.3	0.18	0.15	0.08
1.65	5.0	3.1	2.4	2.0	1.5	1.1	0.9	0.5	0.3	2.4	0.19	0.15	0.08

Capacity – Ah @20°C (68°F)

Uf Vpc	2 h	3 h	5 h	8 h	10 h	20 h
1.85	0.4	0.5	0.6	0.6	0.7	0.8
1.80	0.5	0.5	0.6	0.7	0.7	0.8
1.75	0.5	0.5	0.6	0.7	0.7	0.8
1.70	0.5	0.6	0.6	0.7	0.7	0.8
1.65	0.5	0.6	0.7	0.7	0.7	0.8

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