

Datasheet

Innovative Features

- Completely maintenance free, sealed construction eliminates the need for watering
- Fully tank formed plates
- Analytical Grade electrolyte
- Spill proof / leak proof
- Valve regulated Max internal pressure 2.5 psi
- Multi-position usage
- ABS Case and cover - V0 on request
- Low self discharge
- FAA and IATA approved as non-hazardous
- Built to comply with IEC 896-2, DIN 43534, BS 6290 Pt4, Eurobat.



Specifications

Nominal Voltage	12 Volts
Nominal Capacity	44Ah (C20 @ 20 °C)
Design Life	12 Years
Operating Temperature	-20 °C to 50 °C
Grid alloy	Calcium / Tin lead alloy
Plates	Flat Pasted
Separator	Microporous polymer
Active material	Very high purity lead
Case and cover	ABS (VO on request)
Charge Voltage	Float 2.25 - 2.30 VPC @25 °C Cycling 2.35 @25 °C Max. 2.4 VPC Max ripple 0.05C (A)
Electrolyte	Gelled Sulphuric acid Analytical grade purity
Venting Valve	EPDM Rubber 1.5 to 2 psi (10.5 - 14 KPa) release pressure. Resealing at 1 psi (7 KPa)
Terminal	Epoxy sealed by extended mechanical paths



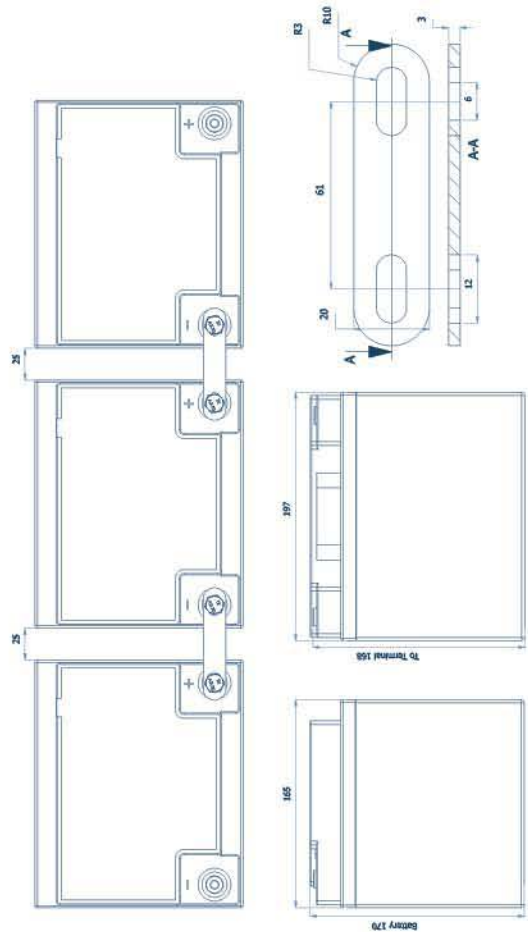
CTM GmbH keenly encourages environmental awareness; PLEASE follow guidelines for recycling/disposal of lead

Specifications

		Nominal Voltage	12V	
		Nominal Capacity	44Ah	
Dimensions	Total Height (Inc. terminals)	170 mm	6.69 inches	
		- mm	n/a inches	
	Length	197 mm	7.76 inches	
	Width	165 mm	6.50 inches	
	Weight	14 Kg	30.94 lbs	

Characteristics

Capacity 20 °C (68 °F) To 1,7 volts	20 hour rate	39.7 Ah	
	10 hour rate	35.5 Ah	
	5 hour rate	31.3 Ah	
	1 hour rate	26.0 Ah	
	15 min rate	18.7 Ah	
	Internal Resistance	7.5 mOhms	
Capacity corrections for Temperature Variations (C20)	Impedance	S	
	40 °C (104 °F)	102%	
	20 °C (68 °F)	100%	
	0 °C (32 °F)	85%	
	-15 °C (5 °F)	65%	
Self-Discharge 20 °C (68 °F)	Capacity after 1 months storage	98%	
	Capacity after 3 months storage	94%	
	Capacity after 6 months storage	86%	
Short Circuit Current 20 °C (68 °F)	1400		
Terminal	Standard	14mm Insert M6 thread	
	Optional	Cu Flag	
Charging (Constant Voltage)	Cyclic	2.35 - 2.40 VPC (20-25 °C)	
	Float	2.27 - 2.30 VPC (15-25 °C)	



Constant Power Discharge - Watts per Cell @ 20 °C

End V per Cell	5M	10M	15M	20M	25M	30M	35M	40M	45M	60M	90M	2hr	3hr	4hr
1.85	177	145	119	100	86.8	76.7	69.4	63.1	58.2	47.1	33.6	26.3	18.2	13.9
1.80	189	158	128	107	92.0	80.6	72.5	65.4	59.8	48.3	34.4	27.1	18.6	14.4
1.75	197	166	134	109	93.8	82.3	73.2	65.9	60.1	48.3	34.5	27.2	18.8	14.5
1.70	203	169	136	111	94.4	82.6	73.4	66.1	60.9	49.2	35.0	27.5	19.1	14.7
1.65	207	171	138	112	95.2	83.1	73.9	66.8	61.4	49.5	35.3	-	-	-
1.60	213	173	140	113	96.0	84.0	74.5	67.7	61.8	49.8	35.6	-	-	-

Constant Amps Discharge - Amps @ 20 °C

End V per Cell	5M	10M	15M	20M	25M	30M	35M	40M	45M	60M	90M	2hr	3hr	4hr	5hr	8hr	10hr	12hr	20hr
1.85	94.9	77.5	63.2	53.2	46.0	40.5	36.6	33.2	30.5	24.6	17.4	13.6	9.32	7.10	5.85	3.96	3.32	2.84	1.85
1.80	103	85.9	69.5	57.4	49.3	43.0	38.6	34.6	31.6	25.3	17.9	14.0	9.57	7.36	6.06	4.10	3.41	2.93	1.92
1.75	109	91.0	73.1	59.1	50.6	44.2	39.1	35.0	31.9	25.5	18.0	14.1	9.70	7.45	6.12	4.15	3.45	2.96	1.93
1.70	113	93.6	74.7	60.7	51.3	44.6	39.5	35.4	32.5	26.0	18.3	14.4	9.91	7.59	6.26	4.26	3.55	3.04	1.99
1.65	116	95.1	76.1	61.2	51.8	45.0	39.8	35.8	32.8	26.2	18.6	-	-	-	-	-	-	-	-
1.60	120	96.6	77.5	61.8	52.4	45.6	40.2	36.4	33.1	26.4	18.7	-	-	-	-	-	-	-	-

Ampere Hour @ 20 °C

End V per Cell	2hr	3hr	4hr	5hr	8hr	10hr	12hr	20hr
1.85	27.1	28.0	28.4	29.2	31.7	33.2	34.1	37.0
1.80	28.1	28.7	29.4	30.3	32.8	34.1	35.2	38.3
1.75	28.3	29.1	29.8	30.6	33.2	34.5	35.5	38.6
1.70	28.7	29.7	30.4	31.3	34.0	35.5	36.5	39.7