

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	110Ah (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 (V0 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



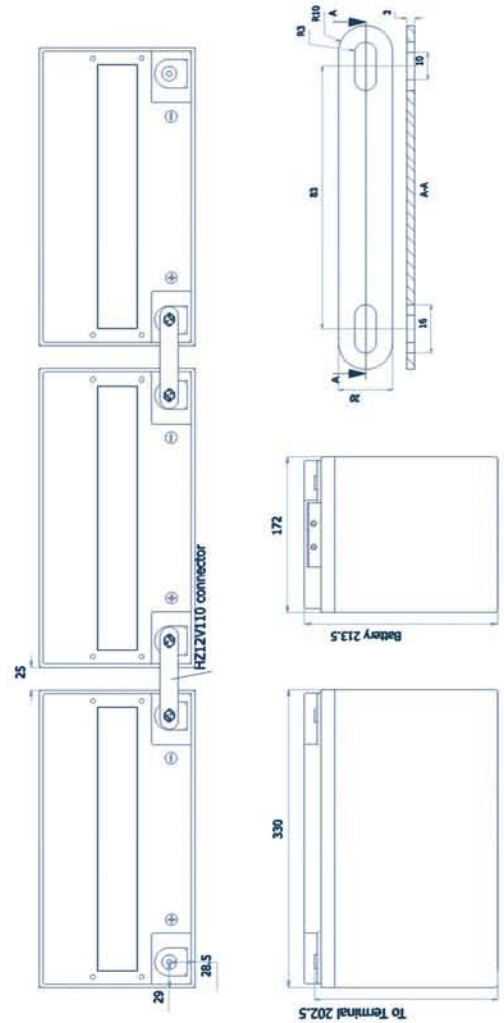
CTM GmbH keenly encourages environmental awareness; PLEASE follow guidelines for recycling/disposal of lead

Specifications

		Nominal Voltage	12V	
		Nominal Capacity	110 Ah	
Dimensions	Total Height (Inc. terminals)	213 mm	8.39 inches	
	Length	332 mm	13.07 inches	
	Width	174 mm	6.85 inches	
	Weight	32.2 Kg	71.16 lbs	

Characteristics

Capacity °C (68 °F) 1,7 volts 20 To	20 hour rate	104.4 Ah
	10 hour rate	91.6 Ah
	5 hour rate	81.4 Ah
	1 hour rate	63.2 Ah
	15 min rate	43.2 Ah
	Internal Resistance	4 mOhms
Capacity corrections for Temperature Variations (C20)	40 °C (104 °F)	102%
	20 °C (68 °F)	100%
	0 °C (32 °F)	85%
	-15 °C (5 °F)	65%
Self-Discharge °C (68 °F) 20	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)	3000	
Terminal	Standard	16mm 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	371	309	261	228	202	185	167	152	139	112	84.0	66.5	46.9	36.4
1.80	458	366	295	249	221	197	175	160	148	118	85.4	67.6	47.5	37.0
1.75	468	387	310	262	228	200	179	163	149	119	85.8	68.0	47.6	37.1
1.70	486	389	314	267	231	202	181	164	150	120	87.2	69.3	48.9	38.3
1.65	511	396	318	269	234	205	183	167	152	120	88.0	-	-	-
1.60	532	408	328	273	235	207	185	168	153	121	89.2	-	-	-

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	199	165	139	121	107	98.0	87.9	80.1	72.8	58.5	43.5	34.3	24.0	18.5	15.2	10.5	8.55	7.32	4.86
1.80	250	199	160	134	119	105	93.3	85.0	77.9	61.8	44.5	35.1	24.5	19.0	15.7	10.7	8.85	7.57	5.05
1.75	258	212	169	142	123	107	95.5	86.8	79.1	62.5	44.9	35.4	24.6	19.1	15.8	10.8	8.90	7.61	5.07
1.70	270	215	173	146	126	109	97.3	88.0	80.1	63.2	45.7	36.1	25.4	19.7	16.3	11.1	9.16	7.84	5.22
1.65	285	220	175	147	127	111	98.6	89.4	81.4	63.8	46.3	-	-	-	-	-	-	-	-
1.60	298	228	181	150	128	112	99.9	90.5	81.9	64.3	47.0	-	-	-	-	-	-	-	-

Ampere Hour @20 °C

End V per Cell	2hr	3hr	4hr	5hr	8hr	10hr	12hr	20hr
1.85	68.6	72.1	74.2	76.0	83.7	85.5	87.8	97.3
1.80	70.1	73.5	75.9	78.6	85.8	88.5	90.8	101
1.75	70.8	73.8	76.4	79.0	86.6	89.0	91.3	101
1.70	72.3	76.1	78.9	81.4	89.1	91.6	94.1	104