

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	120Ah (C20 @ 20 °C)
Design Life	12 Years
Operating Temperature	-20 °C to 50 °C
Grid alloy	Calcium / Tin lead alloy
Plates	Flat Pasted
Separator	Absorbant Glass Mat
Active material	Very high purity lead
Case and cover	ABS (VO on request)
Charge Voltage	Float 2.25 - 2.30 VPC @25 °C Cycliing 2.35 @25 °C Max. 2.4 VPC Max ripple 0.05C (A)
Electrolyte	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	Insert 14mm Dia M6 thread. Epoxy sealed by extended mechanical paths
Torque setting	The recommended torque value for all types is 5-7 Nm
Cables	Connectors, cables, terminal covers on request.



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

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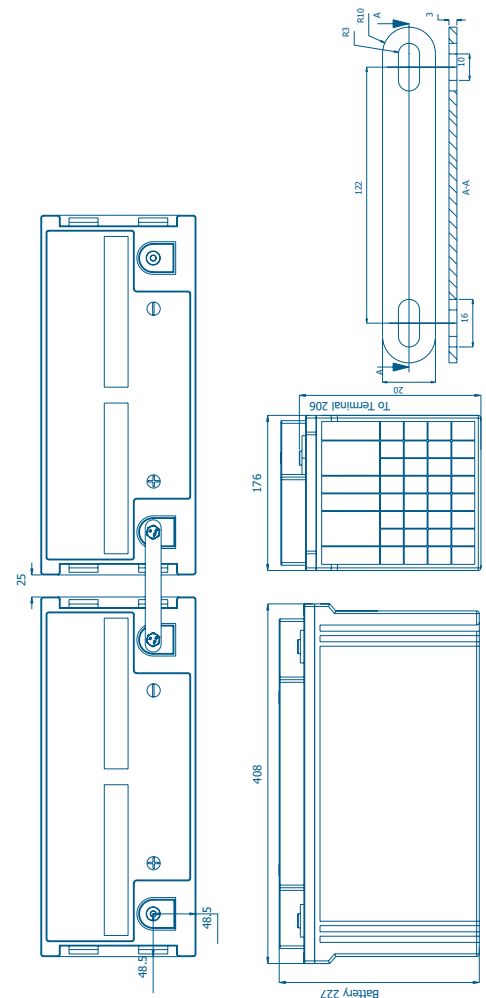
We power the future.

Specifications

	Nominal Voltage	12V	
	Nominal Capacity	120 Ah	
Dimensions	Total Height (Inc. terminals)	227 mm	8.94 inches
	Length	n/a mm	n/a inches
	Width	408 mm	16.06 inches
	Weight	176 mm	6.93 inches
		35 Kg	77.35 lbs

Characteristics

Capacity 20 °C (68 °F) To 1,7 volts	20 hour rate	120.0 Ah
	10 hour rate	107.5 Ah
	5 hour rate	95.1 Ah
	1 hour rate	80.7 Ah
	15 min rate	55.4 Ah
	Internal Resistance	3 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 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)	3300	
Terminal	Standard	14mm Insert M6 thread
	Optional	Cu/Lead Flag - J Type - Auto
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	493	406	341	292	261	233	209	193	176	144	105	81.4	56.7	43.1
1.80	603	478	382	322	278	246	220	201	185	149	107	83.4	57.6	44.1
1.75	613	502	394	330	285	251	224	203	188	150	107	84.1	58.0	44.2
1.70	641	507	403	333	289	254	227	207	191	153	109	84.6	58.5	44.9
1.65	669	514	407	336	292	257	229	209	193	155	110	85.0	58.7	-
1.60	700	533	420	343	294	260	232	211	194	156	111	85.6	58.8	-

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	265	217	182	155	138	123	110	102	92.2	75.2	54.3	42.0	29.1	22.0	17.9	12.1	10.0	8.60	5.59
1.80	329	260	207	173	149	131	117	106	97.9	78.0	55.7	43.3	29.7	22.6	18.4	12.5	10.4	8.90	5.80
1.75	339	276	215	179	154	135	119	108	99.8	78.9	56.0	43.8	30.0	22.8	18.6	12.6	10.4	8.94	5.82
1.70	357	281	222	182	157	137	122	111	102	80.7	57.1	44.2	30.3	23.2	19.0	12.9	10.8	9.21	6.00
1.65	374	286	224	184	159	139	123	112	103	82.1	58.0	44.5	30.5	-	-	-	-	-	-
1.60	393	297	232	188	160	141	125	113	104	82.7	58.7	44.8	30.6	-	-	-	-	-	-

Ampere Hour @ 20 °C

End V per Cell	2hr	3hr	4hr	5hr	8hr	10hr	12hr	20hr
1.85	84.0	87.2	87.8	89.6	97.0	100	103	112
1.80	86.5	89.0	90.4	92.0	100	104	107	116
1.75	87.5	90.0	91.0	93.0	101	104	107	116
1.70	88.3	91.0	92.6	95.1	103	108	111	120
1.65	88.9	91.4	-	-	-	-	-	-
1.60	89.6	91.7	-	-	-	-	-	-