

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.



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Specifications

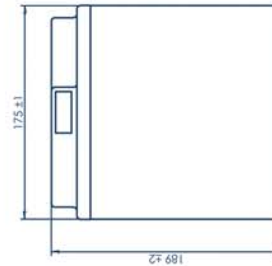
Nominal Voltage	12 Volts
Nominal Capacity	79Ah (C20 @ 20 °C)
Design Life	12 Years
Operating Temperature	-20 °C to 50 °C
Grid alloy	Calcium / Tin lead alloy
Plates	Flat Pasted
Separator	Absorbant Glass Mat
Active material	Very high purity lead
Case and cover	ABS (VO on request)
Charge Voltage	Float 2.25 - 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

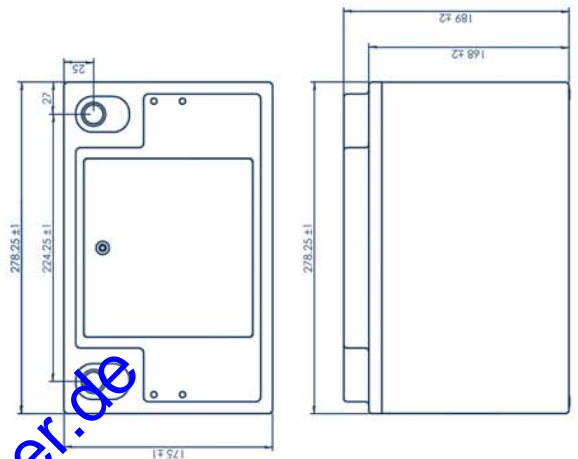
Specifications

Nominal Voltage		12V	
Nominal Capacity		79 Ah (C20 @ 20°C)	
Dimensions	Total Height (Inc. terminals)	190 mm n/a mm	7.48 inches n/a inches
	Length	278.5 mm	10.96 inches
	Width	175 mm	6.89 inches
	Weight	Kg	0.00 lbs



Characteristics

Capacity 20 °C (68 °F) To 1.75 volts	100 hour rate	85.9 Ah
	20 hour rate	79.7 Ah
	10 hour rate	74.1 Ah
	5 hour rate	64.1 Ah
	1 hour rate	48.4 Ah
	15 min rate	34.0 Ah
Internal Resistance	mOhms	
Impedance	1480 S	
Capacity correction 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%
CCA -18 °C (-0.4 °F)		
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	2 hr	3 hr	4 hr
1.85	367	278	225	190	164	143	128	116	107	87.1	64.3	51.8	37.6	29.0
1.80	432	302	245	205	175	156	135	121	111	89.7	66.2	53.3	38.5	29.7
1.75	480	320	252	209	179	156	138	124	114	91.8	67.6	54.4	39.2	30.4
1.70	509	336	258	214	181	158	140	125	115	93.0	68.4	55.0	39.7	30.8
1.65	518	341	261	215	183	159	141	127	116	94.1	68.9	55.2	39.9	30.9
1.60	528	346	262	216	184	160	142	128	117	94.6	69.2	55.5	40.0	31.0

Constant Amps Discharge - Amps @ 20 °C

End V per Cell	5M	10M	15M	20M	25M	30M	35M	40M	45M	60M	90M	2 hr	3 hr	4 hr	5 hr	8 hr	10 hr	12 hr	20 hr	100 hr
1.85	208	152	120	101	86.4	76.8	69.1	62.8	57.6	46.2	33.2	25.9	18.2	14.6	12.3	8.6	7.2	6.2	3.9	0.84
1.80	245	169	131	108	92.2	81.6	72.7	65.6	60.0	47.8	34.4	26.8	18.9	15.0	12.7	8.8	7.3	6.3	3.9	0.85
1.75	269	177	136	110	94.1	83.0	73.9	66.2	60.5	48.4	34.8	27.3	19.1	15.1	12.8	9.0	7.4	6.4	4.0	0.86
1.70	288	186	139	112	95.4	83.9	75.3	68.2	62.2	49.9	35.5	27.8	19.5	15.5	13.1	9.1	7.5	6.4	4.0	0.86
1.65	313	193	143	115	96.8	85.2	76.6	69.3	63.4	50.7	36.0	28.0	19.7	15.6	-	-	-	-	-	-
1.60	329	198	147	118	99.1	86.7	77.7	70.2	64.1	51.1	36.3	28.3	19.9	15.7	-	-	-	-	-	-

Ampere Hour @ 20 °C

End V per Cell	2 hr	3 hr	4 hr	5 hr	8 hr	10 hr	12 hr	20 hr	100 hr
1.85	51.7	54.7	58.3	61.6	68.7	71.7	73.9	77.6	84.5
1.80	53.7	56.6	59.8	63.5	70.6	73.4	75.3	78.6	85.4
1.75	54.6	57.4	60.6	64.1	71.7	74.1	76.2	79.7	85.9
1.70	55.7	58.6	62.0	65.3	72.8	75.3	77.0	80.3	86.4
1.65	56.1	59.0	-	-	-	-	-	-	-
1.60	56.6	59.6	-	-	-	-	-	-	-