CTV 200-12

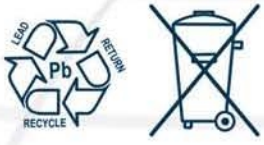
Datasheet

Innovative Features

- Completely maintenance free, sealed construction eliminates the need for watering
- Fully tank formed plates
- Analytical Grade electrolyte
- Spill proof / leak proof
- 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

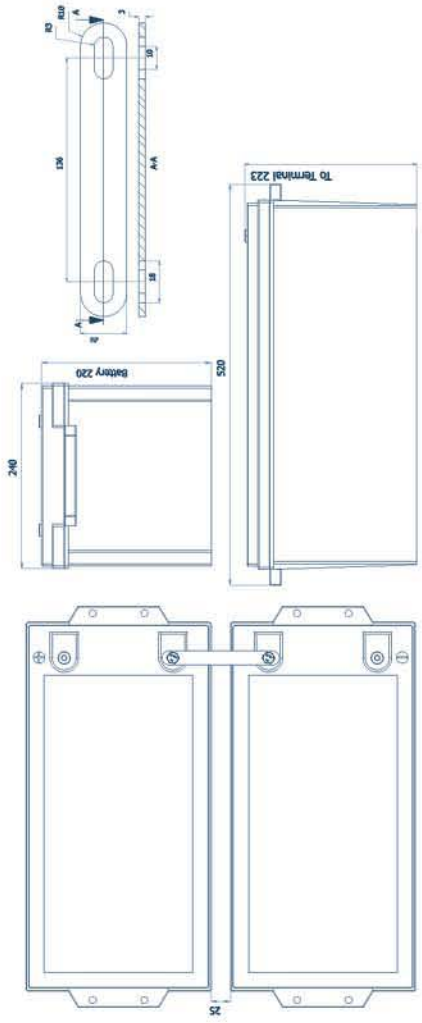
Nominal Voltage	12 Volts
Nominal Capacity	200Ah (C20 @ 20 °C)
Design Life	12 Years
Operating Temperature	-20 °C to 50 °C
Grid alloy	Calcium / Tin lead alloy
Plates	Flat Pasted
Separator	Microporous polymer
Active material	Very high purity lead
Case and cover	ABS (VO on request)
Charge Voltage	Float 2.25 - 2.30 VPC @25 °C Cycliing 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 guidlines for recycling/disposal of lead

Specifications

	Nominal Voltage Nominal Capacity	12V 200Ah	
Dimensions	Total Height	220 mm	8.66 inches
	(Inc. terminals)	- mm	n/a inches
	Length	520 mm	20.47 inches
	Width	240 mm	9.45 inches
	Weight	66 Kg	145.86 lbs



Characteristics

Capacity 20 °C (68 °F) To 1,7 volts	20 hour rate		189.4 Ah
	10 hour rate		169.0 Ah
	5 hour rate		152.4 Ah
	1 hour rate		126.4 Ah
	15 min rate		65.9 Ah
	Internal Resistance	<2	mOhms
	Impedance		S
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)	5400		
Terminal	Standard	18mm Insert M8 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	487	435	387	349	319	300	282	264	246	207	151	120	86.2	68.1
1.80	602	506	429	390	352	327	306	289	270	231	165	129	90.7	71.4
1.75	648	548	470	422	380	347	322	299	282	237	166	130	91.0	71.5
1.70	665	561	480	435	394	357	326	303	283	239	168	131	92.1	71.8
1.65	683	575	499	448	401	359	329	305	289	243	172	-	-	-
1.60	719	591	505	455	408	364	333	310	293	247	175	-	-	-

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	262	233	206	185	169	159	148	139	129	108	78.5	62.0	44.2	34.7	28.5	19.0	15.8	13.5	8.83
1.80	329	275	232	210	188	175	163	153	143	121	86.1	66.7	46.7	36.6	29.6	19.6	16.3	14.0	9.16
1.75	357	301	256	229	205	186	172	159	149	125	86.8	67.4	47.1	36.8	30.0	19.8	16.4	14.0	9.19
1.70	370	310	264	238	214	193	175	162	151	126	88.3	68.2	47.8	37.1	30.5	20.2	16.9	14.5	9.47
1.65	382	319	275	245	219	194	177	163	154	129	90.2	-	-	-	-	-	-	-	-
1.60	403	329	279	250	223	197	180	167	157	131	92.1	-	-	-	-	-	-	-	-

Ampere Hour @ 20 °C

End V per Cell	2hr	3hr	4hr	5hr	8hr	10hr	12hr	20hr
1.85	124	133	139	142	152	158	162	177
1.80	133	140	146	148	157	163	168	183
1.75	135	141	147	150	158	164	168	184
1.70	136	143	148	152	162	169	174	189