VISION Rechargeable Products
Sealed Lead Acid Battery

www.vision-batt.com

CTA Series

Front Terminal Battery

The new VISION CTA series of VRLA batteries has been specially designed for use in telecom systems.

You can expect our batteries meet with the standards JIS C8707 , DIN, IEC60896-2 & BS6290-4. We have obtained ISO9001, ISO14001 certification. We have obtained UL approval (MH25860) for all types of batteries. We have obtained CE approval for all type of batteries. All these render our batteries to be compatible with requirements of world-level equipments.

With front access terminals, it's easy for installing and taking voltage readings during service.

The battery container and cover, made from V0 class flame retardant ABS & with thick walls, offer the battery with high mechanical strength and safety service features.

Shenzhen Center Power Tech. Co., Ltd

CTA12-75X 12V 75Ah

(Edition Aug 2011)

General Features

- Thick pasted plates with high quality lead-tin-calcium alloy grids for long service life;
- V0 class ABS container and cover, in accordance with flame retardancy standard IEC 707 FV0 for safety operation;
- Centralized venting system for gas ventilation;
- Plastics or rope handles for handling and installation convenience;
- Robust stainless steal stud terminals providing high conductivity, easy connection;
- Design life 12+years

Dimensions and Weight

	SI Units	*English Units*
Length	563mm	22.2inch
Width	115mm	4.53inch
Height	188mm	7.40inch
Total Height	188mm	7.40inch
Approx. Weight	28.5Kg	62.8lbs

Performance Characteristics

- Nominal Voltage 12V
- Number of cell 6
- Nominal Capacity 68°F(20°C)
  - 10 hour rate (7.50A, 10.8V) 75.0Ah
  - 5 hour rate (14.1A, 10.5V) 70.5Ah
  - 1 hour rate (53.6A, 9.60V) 53.6Ah
- Internal Resistance
  - Fully Charged battery 68°F(20°C) 6mOhms
- Self-Discharge
  - 3% of capacity declined per month at 20°C(average)
- Operating Temperature Range
  - Discharge -20~60°C
  - Charge -10~60°C
  - Storage -20~60°C
- Max. Discharge Current 68°F(20°C) 750A(5s)
- Charge Methods: Constant Voltage Charge 68°F(20°C)
  - Cycle use 2.30-2.35VPC
  - Maximum charging current 30% of rated capacity
  - Temperature compensation -30mV/°C
- Standby use 2.23-2.27VPC
  - Temperature compensation -20mV/°C

ISO9001:2000 · 1298-2004-AE-RGC-RvA · MH25860 · G4M19906-9202-E-16

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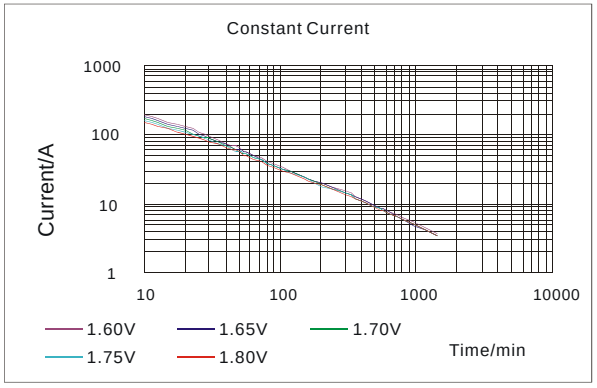
Discharge Data

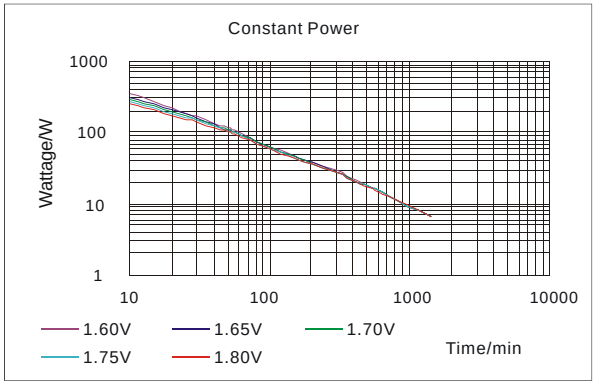
Constant Current Discharge Data (Amperes at 20°C)																							
End Voltage Per cell / V	10min	15min	20min	25min	30min	35min	40min	45min	50min	55min	1h	1.5h	2h	2.5h	3h	4h	5h	6h	7h	8h	9h	10h	12h	24h
1.60	198	155	129	109	94.9	84.2	75.9	68.4	63.0	58.0	53.6	37.8	29.9	25.1	22.0	17.8	15.1	12.7	11.0	9.73	8.74	7.94	6.86	3.57
1.65	185	144	121	103	91.0	80.0	72.3	65.2	59.7	55.8	52.5	37.1	29.3	24.6	21.5	17.4	14.8	12.5	10.8	9.57	8.60	7.84	6.79	3.54
1.70	169	136	115	98.6	87.0	77.3	69.5	63.0	58.6	54.7	51.5	36.2	28.7	24.1	21.0	17.0	14.4	12.2	10.6	9.40	8.47	7.73	6.70	3.50
1.75	160	128	109	93.6	83.6	74.4	67.1	61.5	56.9	52.9	49.6	35.5	28.1	23.6	20.6	16.7	14.1	11.9	10.4	9.25	8.36	7.65	6.61	3.47
1.80	150	123	104	90.4	80.9	72.5	65.5	60.0	55.5	51.5	48.2	34.8	27.5	23.1	20.2	16.4	13.7	11.6	10.2	9.05	8.19	7.50	6.49	3.41

Constant Power Discharge Data (Watts per cell at 20°C)																							
End Voltage Per cell / V	10min	15min	20min	25min	30min	35min	40min	45min	50min	55min	1h	1.5h	2h	2.5h	3h	4h	5h	6h	7h	8h	9h	10h	12h	24h
1.60	342	266	222	189	167	149	136	124	115	107	99.8	70.5	55.6	47.0	41.3	33.5	28.7	24.4	21.0	18.8	16.9	15.3	13.1	6.74
1.65	316	252	212	183	161	144	131	119	111	104	96.6	68.7	53.9	46.0	40.7	33.0	28.3	23.9	20.6	18.6	16.7	15.2	13.1	6.71
1.70	293	238	200	173	154	138	127	116	108	101	95.3	67.7	53.1	45.3	40.1	32.5	27.6	23.6	20.4	18.5	16.6	15.1	13.0	6.68
1.75	274	223	189	166	148	133	122	114	105	99.0	92.7	66.2	52.3	44.6	39.5	32.0	27.4	23.3	20.1	18.4	16.5	15.0	13.0	6.65
1.80	249	206	177	155	141	128	118	110	103	96.2	90.2	64.9	51.5	43.9	38.8	31.6	26.9	23.0	19.9	18.1	16.3	14.8	12.8	6.61

(Note)The above characteristics data are average values obtained within three charge/discharge cycles not the mimimum values.

Performance drawings





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