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

CTA12-155X 12V 155Ah

(Edition June 2004)

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	546mm	21.5inch
Width	125mm	4.92inch
Height	315mm	12.4inch
Total Height	315mm	12.4inch
Approx. Weight	61.6Kg	135.88lbs

Performance Characteristics

- Nominal Voltage 12V
- Number of cell 6
- Nominal Capacity 68°F(20°C)
  - 10 hour rate (15.5A, 10.8V) 155Ah
  - 5 hour rate (30.2A, 10.5V) 151Ah
  - 1 hour rate (116A, 9.60V) 116Ah
- Internal Resistance
  - Fully Charged battery 68°F(20°C) 3.5mOhms
- 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) 1550A(5s)
- Charge Methods: Constant Voltage Charge 68°F(20°C)
  - Cycle use 14.4-14.7V
  - Maximum charging current 30% of rated capacity
  - Temperature compensation -30mV/°C
- Standby use 13.6-13.8V
  - Temperature compensation -20mV/°C

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

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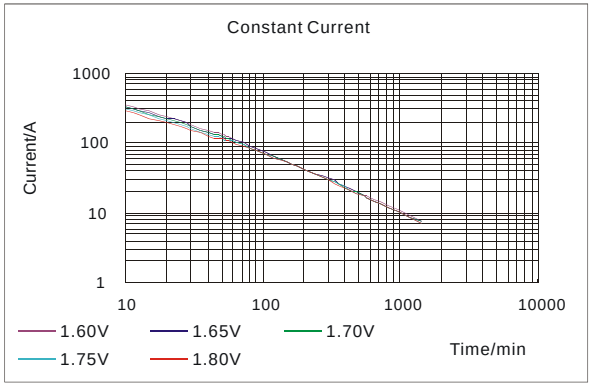
Discharge Data

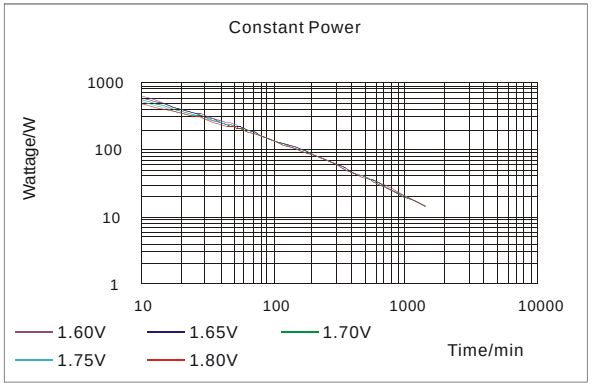
Constant Current Discharge Data (Amperes at 20°C)																							
End Voltage Per cell / V		15min	20min	25min	30min	35min	40min	45min	50min	55min	1h	1.5h	2h	2.5h	3h	4h	5h	6h	7h	8h	9h	10h	12h	24h
1.60		288	242	213	186	164	147	138	130	122	116	84.0	64.6	54.3	47.5	37.2	31.0	25.9	22.3	19.8	17.7	16.0	14.1	7.47
1.65		277	230	204	177	156	143	133	126	120	114	82.2	63.8	53.8	47.1	36.9	30.7	25.7	22.1	19.6	17.5	15.8	14.0	7.37
1.70		262	222	194	170	151	139	129	121	116	111	80.3	63.0	53.2	46.7	36.5	30.4	25.4	21.9	19.5	17.4	15.7	13.9	7.33
1.75		250	213	185	164	144	135	125	118	112	107	78.9	62.2	52.7	46.3	36.2	30.2	25.3	21.8	19.3	17.3	15.6	13.8	7.28
1.80		228	195	173	151	138	127	119	114	107	102	77.0	61.5	52.2	46.0	36.0	30.0	25.1	21.6	19.2	17.2	15.5	13.7	7.23

Constant Power Discharge Data (Watts per cell at 20°C)																							
End Voltage Per cell / V		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		499	410	358	320	290	266	249	235	224	212	155	125	107	95.1	74.4	62.0	52.2	45.2	41.0	36.8	33.4	28.9	14.9
1.65		474	391	346	308	282	259	244	230	219	209	153	123	106	94.4	73.8	61.5	51.7	44.8	40.6	36.5	33.1	28.6	14.8
1.70		449	378	337	301	273	252	238	225	215	204	151	121	105	93.7	73.3	61.0	51.3	44.4	40.4	36.2	32.9	28.4	14.7
1.75		430	364	326	293	267	248	232	221	211	200	149	120	104	92.5	72.7	60.5	50.9	44.1	40.0	35.9	32.6	28.2	14.6
1.80		408	352	313	282	261	242	229	217	206	196	147	118	103	91.0	72.1	60.0	50.5	43.7	39.7	35.6	32.4	28.0	14.5

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

Performance drawings





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