



**VISION Rechargeable Products
Sealed Lead Acid Battery**

www.vision-batt.com

CTA-CFR Series

Front Terminal Battery

The new VISION CTA-CFR 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 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

CTA12-125X-CFR 12V 125Ah

(Edition June 2004)

General Features

- Thick pasted plates with high quality lead-tin-calcium alloy grids for long service life;
- V0 class ABS 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 steel stud terminals providing high conductivity, easy connection;
- Design life 12+ years



Dimensions and Weight

	<i>SI Units</i>	<i>English Units</i>
Length	561mm	22.1inch
Width	105mm	4.13inch
Height	316mm	12.4inch
Total Height	316mm	12.4inch
Approx. Weight	49.5Kg	109lbs

Performance Characteristics

- Nominal Voltage 12V
- Number of cell 6
- Nominal Capacity 68°F(20°C)
 - 10 hour rate (12.5A, 10.8V) 125Ah
 - 5 hour rate (23.4A, 10.5V) 117Ah
 - 1 hour rate (89.4A, 9.60V) 89.4Ah
- Internal Resistance
 - Fully Charged battery 68°F(20°C) 3.8mOhms
- 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) 1250A(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



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Discharge Data

Constant Current Discharge Dates(Amperes at 20°C)																										
End Voltage Volts/Cell	20min	25min	30min	35min	40min	45min	50min	55min	60min	1.25h	1.5h	1.75h	2h	2.25h	2.5h	2.75h	3h	4h	5h	6h	7h	8h	9h	10h	12h	24h
1.60	214	182	158	140	126	114	105	96.6	89.4	74.0	63.0	55.3	49.9	45.3	41.9	38.7	36.6	29.6	25.1	21.2	18.3	16.2	14.6	13.2	11.4	5.95
1.65	202	172	152	133	120	109	99.5	93	87.5	72.0	61.8	54.2	48.8	44.4	41.0	37.9	35.9	29.0	24.6	20.8	18.0	15.9	14.3	13.1	11.3	5.90
1.70	192	164	145	129	116	105	97.7	91.1	85.8	69.9	60.4	53.1	47.8	43.4	40.1	37.0	35.0	28.3	24.0	20.3	17.7	15.7	14.1	12.9	11.2	5.84
1.75	181	156	139	124	112	103	94.8	88.1	82.6	67.9	59.1	51.9	46.8	42.5	39.3	36.2	34.3	27.8	23.4	19.9	17.3	15.4	13.9	12.8	11.0	5.79
1.80	173	151	135	121	109	100	92.5	85.9	80.3	65.8	58.0	50.8	45.8	41.5	38.5	35.3	33.6	27.3	22.9	19.4	16.9	15.1	13.7	12.5	10.8	5.68

Constant Power Discharge Dates(Watts Per Cell at 20°C)																										
End Voltage Volts/Cell	20min	25min	30min	35min	40min	45min	50min	55min	60min	1.25h	1.5h	1.75h	2h	2.25h	2.5h	2.75h	3h	4h	5h	6h	7h	8h	9h	10h	12h	24h
1.60	356	302	267	238	217	199	184	179	166	137	117	102	92.7	84.2	78.3	72.5	68.8	55.8	47.9	40.7	35.0	31.4	28.1	25.5	21.9	11.2
1.65	338	293	258	231	210	190	177	173	161	134	115	100	89.9	82.7	76.6	71.3	67.8	55.0	47.1	39.9	34.4	31.0	27.9	25.3	21.8	11.2
1.70	319	277	246	221	203	185	172	168	159	130	113	98.5	88.5	81.1	75.5	70.2	66.8	54.1	46.0	39.3	34.0	30.9	27.6	25.1	21.7	11.1
1.75	302	266	237	212	195	182	168	165	154	127	110	96.8	87.1	79.6	74.3	69.0	65.8	53.4	45.6	38.8	33.5	30.6	27.5	25.0	21.6	11.1
1.80	284	248	226	205	188	176	164	160	150	123	108	95.0	85.8	78.0	73.1	67.8	64.6	52.6	44.9	38.3	33.1	30.1	27.2	24.6	21.3	11.0

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

Performance drawings

