

CT Series Battery

The VISION CT series battery is especially designed for telecommunication use, by combining the newly developed paste formula with up-to-date AGM structures, this series features 12 years design life and Front Access connection for fast, easy installation and maintenance. The CT series is highly suited for telecom applications, UPS systems and other back up applications.

General Features

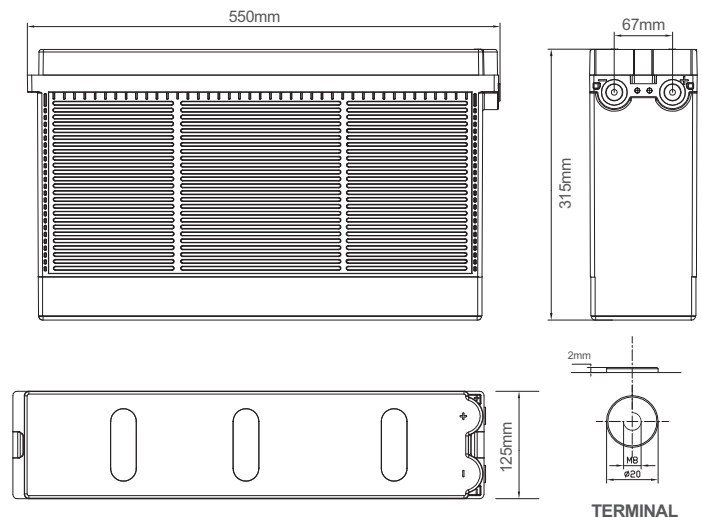
- 12 years design life in floating condition
- Thick flat plate with high Tin low Calcium alloy
- Wide operating temperature range from -40°C to 60°C
- Centralized venting system for gas ventilation
- Front access terminals for easy and quick connection
- Low self discharge rate
- Case and cover available in both standard and flame retardant ABS



Technical Specification

Nominal Voltage (V)	12 V (6 cells per unit)
Designed Floating Life (20°C)	12 Years
Nominal Capacity (25°C)	200 Ah @ 10HR-rate (to 1.80Vpc)
Dimension (mm)	L550mm x W125mm x H315mm
Weight	60.5 kg (133.4 lbs)
Terminal Type	Female Copper Insert M8
Internal Resistance (25°C)	Approx. 3.5 mOhm (fully charged)
Max. Charge Current	60A
Max. Discharge Current (5S)	1100 A
Short Circuit Current	3000 A
Self Discharge	Less than 3% per month @ 20°C
Operating Temperature Range	Maximum: -40~60°C Optimum: 15~25°C Storage: -40~60°C
Float Charge Voltage (25°C)	13.6-13.8V (-3mV/ cell/ °C)
Cycle Charge Voltage (25°C)	14.4-14.8V (-5mV/ cell/ °C)

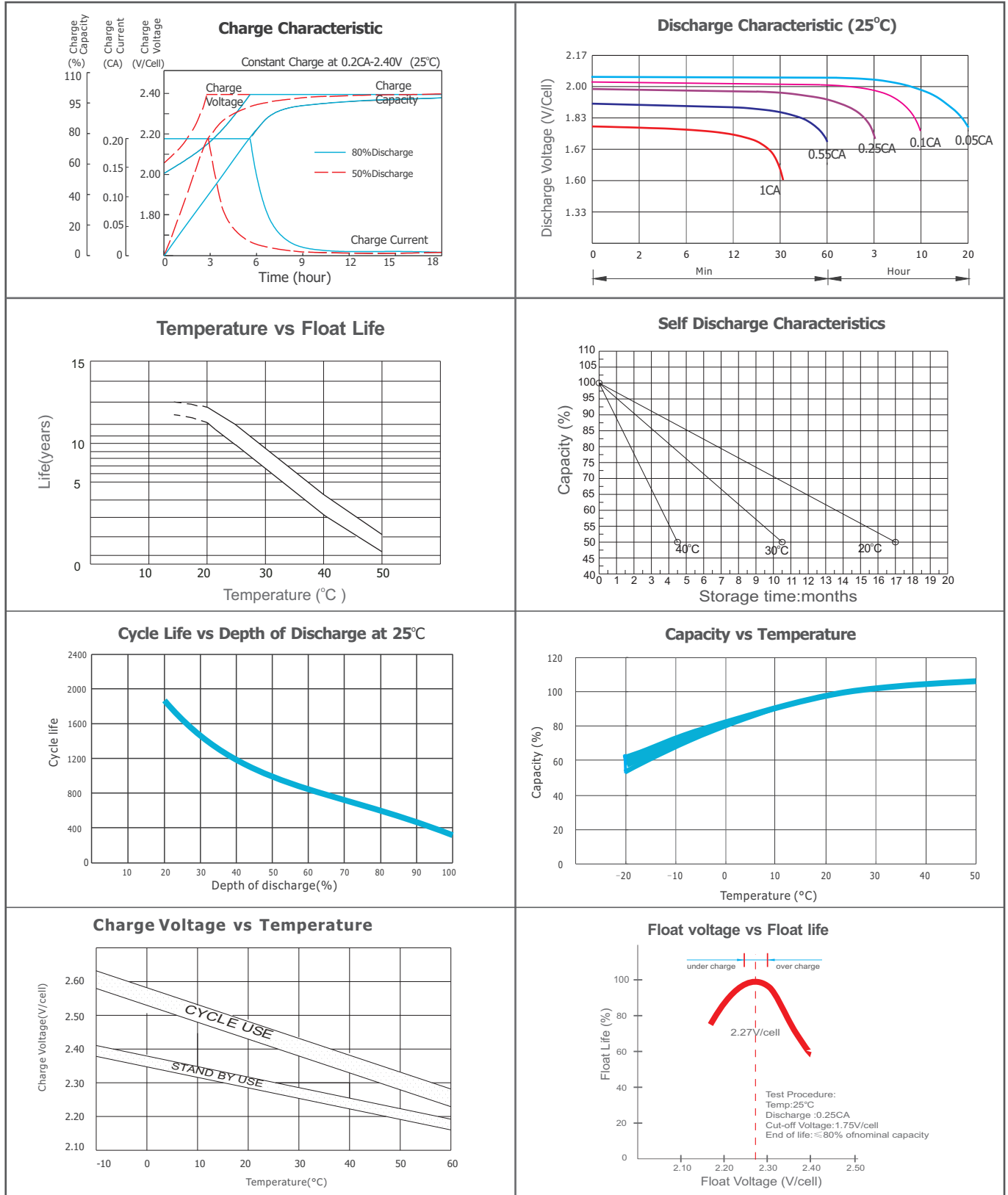
Battery Dimension



Battery Discharge Table

Constant Current Discharge Characteristics: Amps (25°C)												
F.V/T ime	5m in	10m in	15m in	30m in	1h	2h	3h	4h	5h	8h	10h	20h
1.60V	570	425	355	221	134	78.5	56.7	45.2	37.6	25.7	21.2	11.4
1.67V	509	392	334	211	130	77.2	56.0	44.6	37.1	25.4	20.9	11.2
1.70V	454	356	316	203	127	76.1	55.3	44.1	36.8	25.1	20.7	10.9
1.75V	395	331	293	196	125	74.8	54.5	43.6	36.4	24.7	20.4	10.7
1.80V	349	301	273	187	121	73.2	53.4	42.6	35.5	24.1	20.0	10.5
1.85V	299	271	249	177	115	70.4	51.7	41.4	34.6	23.6	19.5	10.3

Constant Power Discharge Characteristics: W/cell (25°C)												
F.V/T ime	5m in	10m in	15m in	30m in	1h	2h	3h	4h	5h	8h	10h	20h
1.60V	1004	764	647	408	249	133	96.3	77.1	64.5	44.5	36.9	19.9
1.67V	907	711	614	392	244	131	95.8	76.5	64.1	44.1	36.6	19.6
1.70V	820	653	585	380	240	130	95.3	76.3	64.0	43.9	36.4	19.3
1.75V	722	614	549	370	237	129	94.6	76.1	63.7	43.7	36.2	19.1
1.80V	646	564	517	357	232	128	93.6	75.0	62.7	43.0	35.8	18.9
1.85V	563	514	476	340	224	124	91.3	73.5	61.7	42.3	35.0	18.5

CHARACTERISTICS

VISION GROUP

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