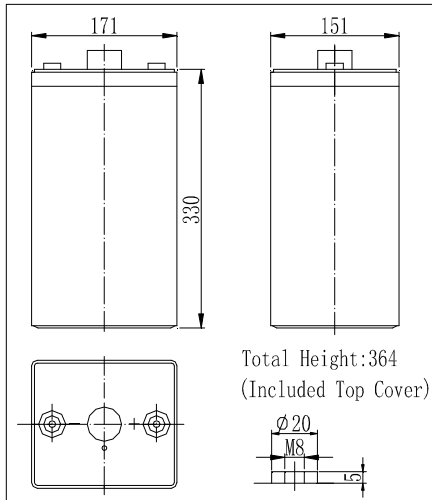


VT2300 2V300Ah Battery

Dimensions



Absorbent glass mat technology
Recognized by UL & CE;
ABS container.
ISO Certification(ISO9001)



Technical Type

VITALIZE VLRA rechargeable battery is leak-proof and maintenance free.

The superiority of VITALIZE battery is derived from its uniquely efficient oxygen recombination technology.

The oxygen evolved from the positive plates diffuses through the micro porous glass fibers to the negative plates where it is changed back to water by recombination reaction, eliminating the need for water addition.

The result is a maintenance free battery

Specifications

Nominal Voltage		2 V
Capacity(10HR, 25 °C)		300 Ah
Dimension	Length	171mm (6.73inch)
	Width	151mm (5.94inch)
	Height	330mm (12.99inch)
	Total Height	364mm (14.33inch)
Approx. Weight		18kg (39.7lbs)
Internal resistance (Fully charged, 25 °C)		Approx. 0.65mΩ
Capacity affected by temperature (10HR)	40 °C	102%
	25 °C	100%
	0 °C	85%
	-15 °C	65%
Self-discharge (25 °C)	3 month	Remaining Capacity: 91%
	6 month	Remaining Capacity: 82%
	12 month	Remaining Capacity: 65%
Nominal operating temperature		25 °C ± 3 °C (77 °F ± 5 °F)
Operating temperature range		-15 °C ~ 50 °C (5 °F ~ 122 °F)
Float charging voltage(25 °C)		2.25 to 2.30V
Cyclic charging voltage(25 °C)		2.42 to 2.48V
Maximum charging current		60A
Terminal material		Copper
Maximum discharge current		2000A(5 sec.)
Vertical and horizontal installations		Available 2 ways.

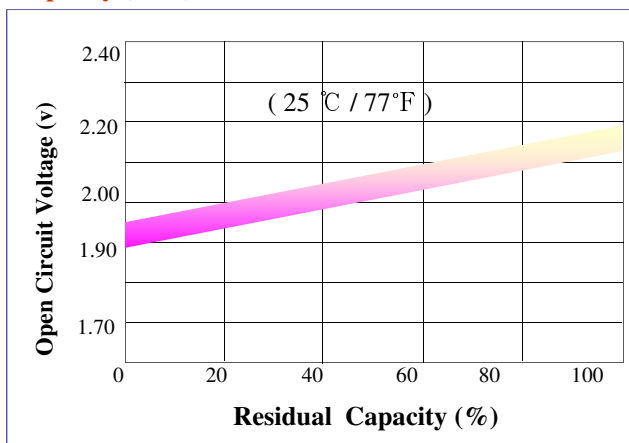
Constant Current Discharge Characteristics (A, 25°C)

F.V/TIME	5min	10min	15min	30min	60min	3h	5h	10h	20h
1.50V	761	502	409	273	197	79.5	56.6	30.6	16.2
1.60V	750	495	405	270	195	79.2	56.3	30.5	16.2
1.70V	713	470	389	259	187	78.0	55.5	30.2	16.1
1.75V	695	459	381	254	183	77.3	55.0	30.1	16.0
1.80V	670	442	369	246	178	76.4	54.4	30.0	16.0

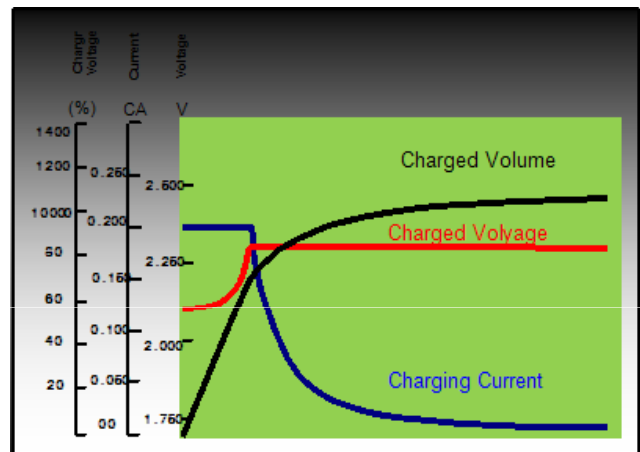
Constant Power Discharge Characteristics (Watt, 25°C)

F.V/TIME	5min	10min	15min	30min	60min	3h	5h	10h	20h
1.50V	1358	910	762	526	406	157	112	60.8	32.6
1.60V	1312	891	741	505	371	155	111	60.6	32.5
1.70V	1248	846	712	484	356	153	109	60.1	32.2
1.75V	1217	826	697	475	349	151	108	60.1	32.1
1.80V	1172	796	675	460	338	150	107	60.1	32.0

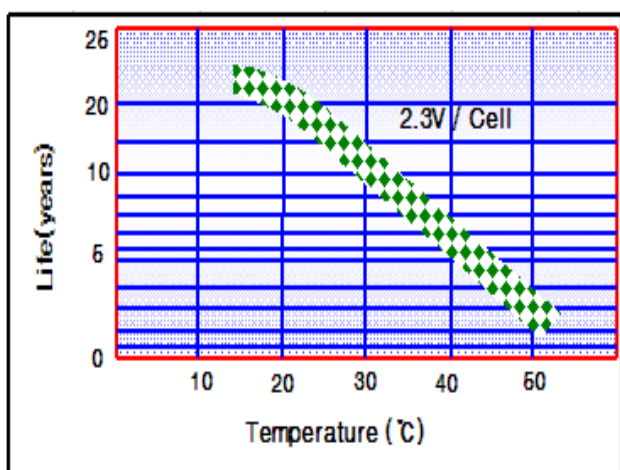
The Relationship for Open Circuit Voltage and Residual Capacity (25°C)



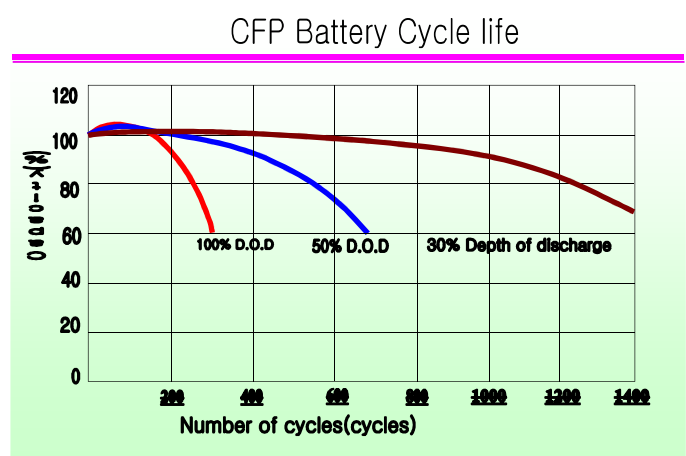
Charging Characteristics(25°C)



Temperature Affects On Floating Life



Cycle Life(25°C)



Note: Floating life at 25°C designed for 15 to 18 years.

Rack Specification

- L*W*H: 1170*1000*850mm
- Frame Weight: 50Kg
- 4nd Floor
- Weight load: 490Kg <Load
- Paint color : Customer

Dimensions

