

## VI SERIES

VI batteries are design for deep discharge application, with expanded grid and special chemical formula for plates active paste material slightly stronger electrolyte and low temperature design.

### Application

- CFL Inverters
- Powered Tools
- Electric Powered Vehicles
- Wheel Chairs
- Solar Lanterns
- Electric Powered Toys
- Control System
- Vacuum Cleaners
- Medical Equipments
- UPS

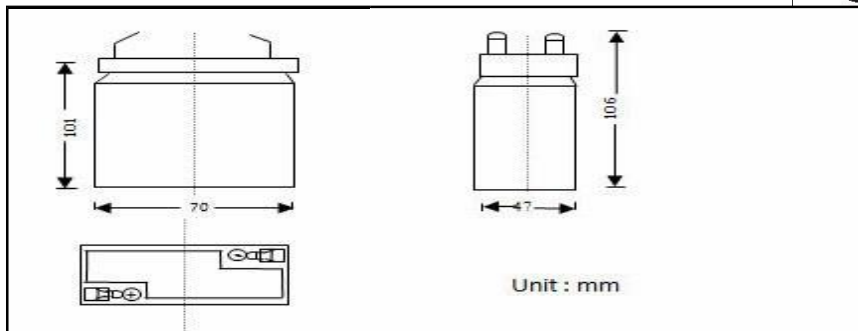
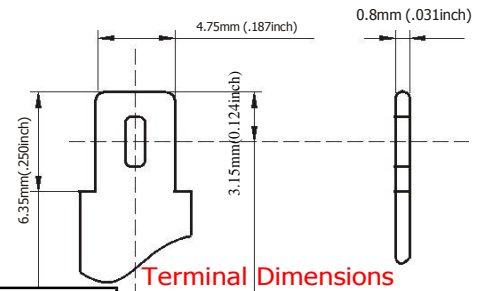
### General Features

- Sealed and maintenance free operation
- Non-spillable construction design
- Containers and covers made of ABS
- Safety valves installation for explosion proof
- High quality and high reliability
- Exceptional deep discharge recovery performance
- Low self discharged characteristic

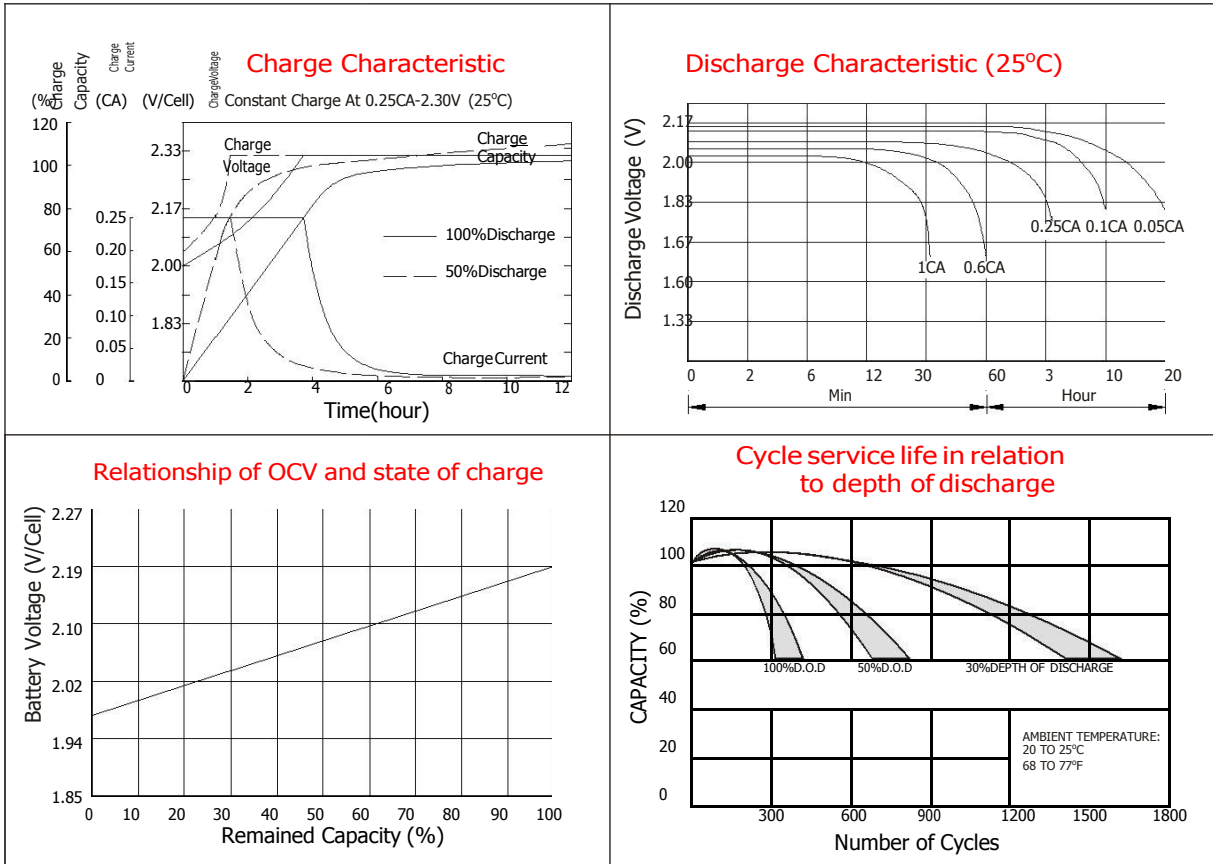


### Construction

- Positive -----Lead
- Negative ----- Lead
- Container ----- ABS
- Cover -----ABS
- Sealant -----Epoxy Resin
- Safety valve --- EPDR
- Terminal ----- Copper
- Separator ----- AGM
- Electrolyte ----- Sulfuric acid



Battery Model	VI-A64E5			
Designed Cycle Life	> 350 cycles @ -0.5CA to 4.8V			
Capacity(25°C)	20HR(0.225A,1.75V)	10HR(0.405A,1.75V)	5HR(0.72 A,1.75V)	1HR(2.7 A,1.75V)
	4.5AH	4.05 AH	3.6AH	2.7 AH
Dimensions	Length	Width	Height	TotalHeight
	70mm(2.756inch)	47mm(1.85inch)	101mm(3.976inch)	106mm(4.173inch)
Approx. Weight	0.72 kg(1.59lbs)			
Internal Resistance	Full charged at 25°C : 19mΩ			
Self Discharge	3% of capacity declined per month at (25°C)			
Capacity Affected by Temp.(20HR)	40°C	25°C	0°C	-15°C
	102%	100%	85%	65%
Cycle Voltage	Cycle use		Float use	
	7.2-7.5V at 25° C, max. current : 1.35 A		6.8-6.9V at 25° C	



**Constant current discharge ratings- Amperes at 25°C**

F. V/Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR
1. 60VPC	14.066	11.358	9	4.738	2.803	1.088	0.797	0.441
1. 65VPC	13.236	11.154	8.568	4.59	2.758	1.2	0.786	0.433
1. 70VPC	12.497	10.856	8.105	4.5	2.726	1.202	0.784	0.431
1. 75VPC	11.539	10.169	7.834	4.416	2.7	0.99	0.72	0.405
1. 80VPC	10.974	9.856	7.259	4.089	2.501	0.93	0.714	0.392

**Constant power discharge ratings- Watts at 25°C**

F. V/Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR
1. 60VPC	71.241	51.377	40.596	25.843	16.119	6.993	4.604	2.584
1. 65VPC	69.969	50.49	39.844	25.573	16.011	6.953	4.575	2.584
1. 70VPC	66.844	49.063	39.574	25.341	15.809	6.899	4.523	2.579
1. 75VPC	63.296	47.944	38.089	24.551	15.539	6.696	4.401	2.565
1. 80VPC	60.654	45.746	34.541	23.683	14.661	6.453	4.239	2.548