

## Specification

Nominal Voltage	2V	
Capacity(10HR)	2192.0AH (1.8V/cell,20°C)	
Dimension	Length	399±3mm (15.77 inches)
	Width	214±3mm (8.42 inches)
	Container Height	772±3mm (30.4 inches)
	Total Height (with Terminal)	827±3mm (32.56 inches)
	Without Electrolyte	110.0 kg (242.55lbs)
Approx Weight	With Electrolyte	150.0 kg (330.75lbs)
	Container Material	SAN transparent container
Rated Capacity	2192.0 AH/219.2A	(10hr, 1.80V/cell, 20°C/68°F)
	1954.0 AH/390.8A	(5hr, 1.75V/cell, 20°C/68°F)
	1726.2 AH/575.4A	(3hr, 1.75V/cell, 20°C/68°F)
	1366.0 AH/1366.0A	(1hr, 1.60V/cell, 20°C/68°F)
Max. Discharge Current	16000A (5s)	
Internal Resistance (mΩ)	Approx 0.17	
Operating Temp.Range	Discharge : -15~55 C (5~131 F)	
	Charge : 0~45°C (32~113°F)	
	Storage : -15~45°C (5~113°F)	
Type and number of poles	M8/6	
Charging	Floating voltage: 2.23V~2.25V at 20°C(68°F)Temp.	
	Boost charge: 2.30V~2.40V at 20°C(68°F)Temp.	
	Charging current(max.): 0.1CA	
	Temp.Coefficient -3mV/°C	
Capacity affected by Temperature	40°C (104°F)	103%
	25°C (77°F)	100%
	0°C (32°F)	86%
Self Discharge (4% per month)	OPzS batteries may be stored for up to 6 months at 20°C(68°F) and then a freshening charge is required. For higher temperatures the time interval will be shorter.	

## Applications

- ◆ Telecommunications.
- ◆ Radio and cellular telephone relay stations.
- ◆ Emergency lighting systems.
- ◆ Power stations, Conventional power stations,
- ◆ Alternative power (solar , wind)
- ◆ Large UPS and computer back-up.
- ◆ Railway signalling.
- ◆ Maritime standby power on ships and ashore.
- ◆ Standby power
- ◆ Buoy lighting.
- ◆ Long service life, Designed life: 20 years.

## Constant Current Discharge (Amperes) at 20 °C (68°F )

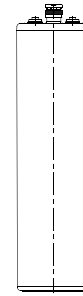
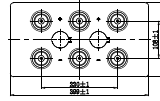
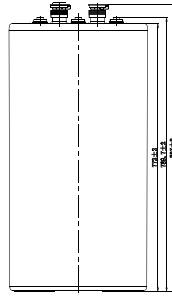
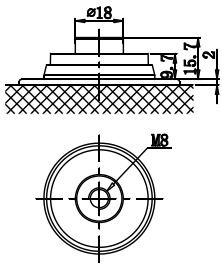
F.V/Time	30min	45min	1h	1.5h	2h	3h	4h	5h	6h	8h	10h	20h
1.60V/cell	1964.7	1616.0	1366.0	1040.0	840.5	613.7	492.2	413.2	357.9	284.5	234.6	127.0
1.65V/cell	1838.9	1525.3	1314.0	1017.3	825.4	605.1	486.2	408.8	354.0	279.3	230.8	125.1
1.70V/cell	1677.0	1426.7	1234.0	977.3	803.0	592.5	477.8	400.0	348.9	275.3	227.2	123.6
1.75V/cell	1497.2	1306.7	1134.0	925.3	769.7	575.4	465.2	390.8	338.9	268.8	224.0	122.0
1.80V/cell	1260.0	1130.7	1017.0	833.3	706.0	541.4	442.4	374.7	328.3	262.6	219.2	120.2
1.85V/cell	1007.7	930.7	849.3	713.3	607.9	483.3	404.0	352.0	310.7	252.3	212.0	116.3

## Constant Power Discharge (Watts) at 20 °C (68°F )

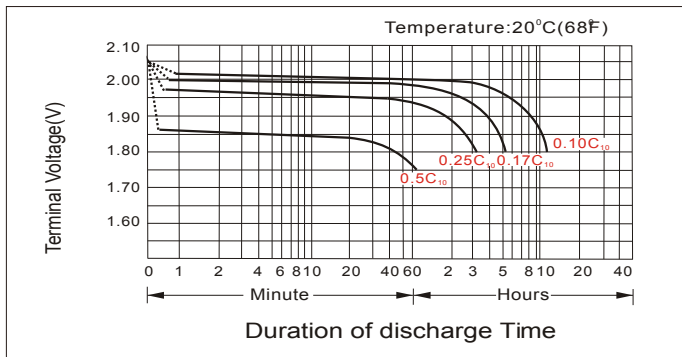
F.V/Time	30min	45min	1h	1.5h	2h	3h	4h	5h	6h	8h	10h	20h
1.60V/cell	3353.7	2828.0	2425.3	1869.6	1528.4	1124.0	909.4	768.7	670.1	535.0	443.0	240.7
1.65V/cell	3207.2	2700.9	2352.3	1838.0	1508.5	1113.8	902.9	764.3	666.2	527.8	438.0	238.4
1.70V/cell	2965.0	2552.7	2225.8	1777.5	1474.0	1095.8	890.1	750.9	658.8	522.2	432.5	236.3
1.75V/cell	2691.6	2362.9	2064.8	1695.1	1423.2	1071.0	871.2	737.0	642.0	511.6	428.4	234.4
1.80V/cell	2296.0	2075.8	1875.4	1544.2	1317.0	1015.3	833.4	710.0	625.7	502.6	421.5	232.1
1.85V/cell	1867.3	1733.5	1589.2	1339.9	1146.5	916.2	768.9	672.8	596.8	486.6	410.9	226.3

## Dimensions

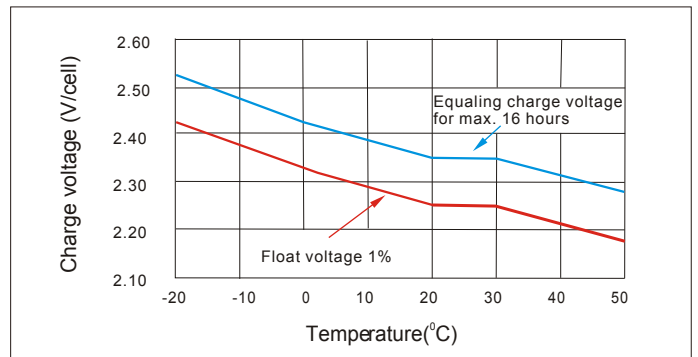
### Terminal



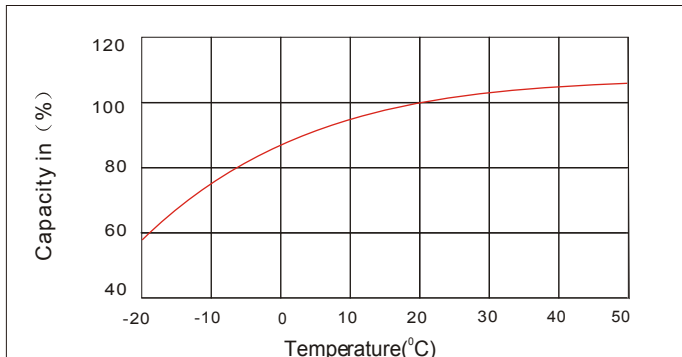
## Discharge Characteristics



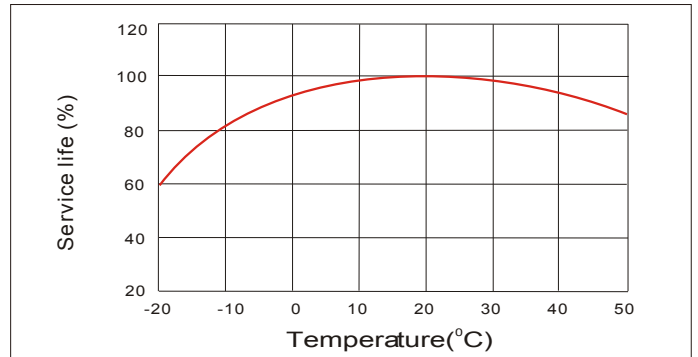
## Charge voltage Vs ambient temperature curve



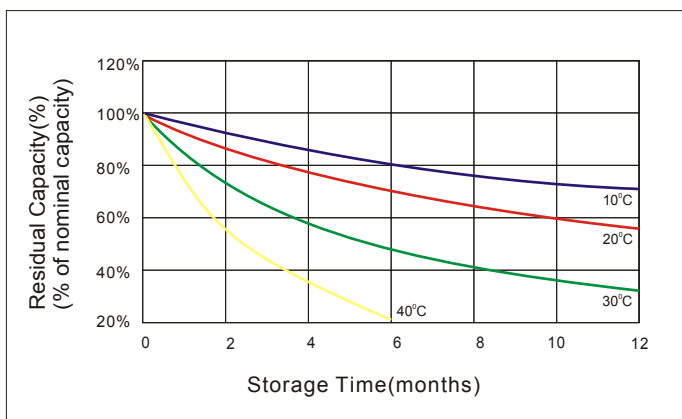
## Discharge capacity Vs Ambient temperature curve (10A)



## Relation curves of service life and ambient temperature



## Self Discharge Characteristics



- A** No supplementary charge required (Carry out supplementary charge before use if 100% capacity is required.)
- B** Supplementary charge required before use. Optional charging way as below :
  - 1.Charged for above 3 days at current 0.1CA and constant volatge 2.25V/cell.
  - 2.Charged for above 20hours at current 0.1CA and constant volatge 2.45V/cell.
  - 3.Charged for 8~10hours at limited current 0.05CA .
- C** Supplementary charge may often fail to recover the capacity . The battery should never be left standing till this is reached.