

Specification

Nominal Voltage	2V
Capacity(10HR)	365.0AH (1.8V/cell,20°C)
Dimension	Length 124±2mm (4.88 inches)
	Width 206±3mm (8.11 inches)
	Container Height 471±3mm (18.54 inches)
	Total Height (with Terminal) 526±3mm (20.71 inches)
	Without Electrolyte 21.0 kg (46.3lbs)
Approx Weight	With Electrolyte 28.0 kg (61.7lbs)
	Container Material SAN transparent container
Rated Capacity	365.0 AH/36.5A (10hr,1.80V/cell,25°C/77°F)
	329.0 AH/65.8A (5hr,1.75V/cell,25°C/77°F)
	291.9 AH/97.3A (3hr,1.75V/cell,25°C/77°F)
	235.2 AH/235.2A (1hr,1.60V/cell,25°C/77°F)
Max. Discharge Current	2800A (5s)
Internal Resistance (mΩ)	Approx 0.65
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	M8/2
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
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)

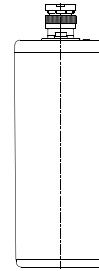
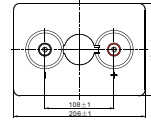
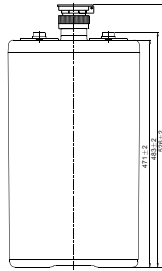
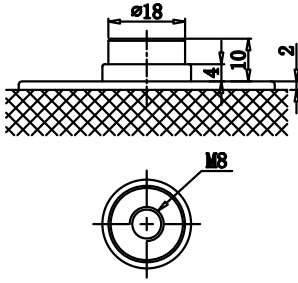
F.V/Time	30min	45min	1h	1.5h	2h	3h	4h	5h	6h	8h	10h	20h
1.60V/cell	350.0	281.4	235.2	177.8	142.1	103.7	83.1	69.5	60.5	48.3	39.8	21.5
1.65V/cell	322.0	263.7	223.0	171.5	138.6	102.3	82.1	68.6	59.5	47.4	39.1	21.1
1.70V/cell	291.2	242.7	208.6	163.8	134.2	100.1	80.7	67.5	58.6	46.7	38.3	20.9
1.75V/cell	270.9	226.8	195.3	155.9	129.2	97.3	78.6	65.8	57.2	45.8	37.4	20.6
1.80V/cell	246.4	207.7	180.8	145.8	122.2	91.5	74.7	63.6	55.9	44.9	36.5	20.3
1.85V/cell	197.1	168.9	151.0	123.9	105.2	82.6	68.9	59.6	52.6	42.4	35.1	19.6

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

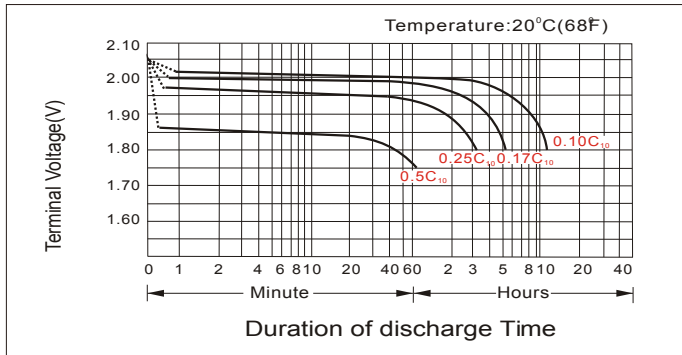
F.V/Time	30min	45min	1h	1.5h	2h	3h	4h	5h	6h	8h	10h	20h
1.60V/cell	597.5	492.5	417.6	319.6	258.4	190.0	153.6	129.2	113.3	90.8	75.1	40.7
1.65V/cell	561.6	466.9	399.1	309.9	253.3	188.2	152.5	128.3	112.0	89.6	74.1	40.3
1.70V/cell	514.8	434.2	376.3	297.9	246.4	185.2	150.3	126.7	110.7	88.7	73.0	39.9
1.75V/cell	487.0	410.1	355.6	285.5	238.8	181.0	147.1	124.1	108.3	87.2	71.6	39.6
1.80V/cell	449.0	381.3	333.4	270.2	228.0	171.6	140.7	120.5	106.5	85.9	70.2	39.2
1.85V/cell	365.2	314.7	282.5	232.7	198.4	156.6	131.1	114.0	101.1	81.8	68.0	38.3

Dimensions

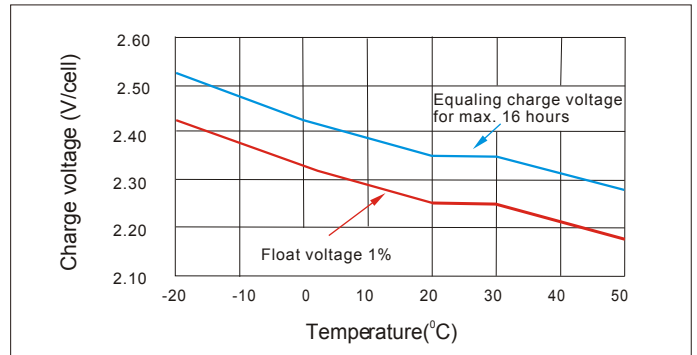
Terminal (mm)



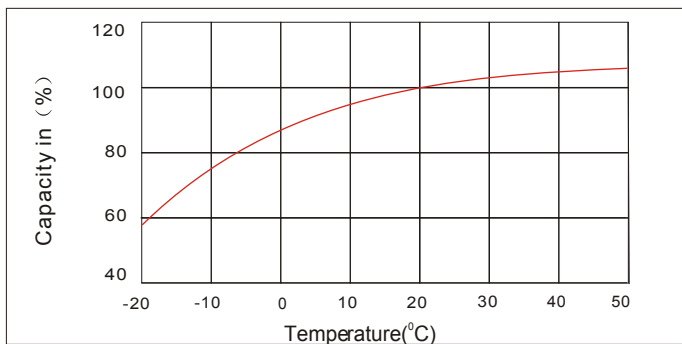
Discharge Characteristics



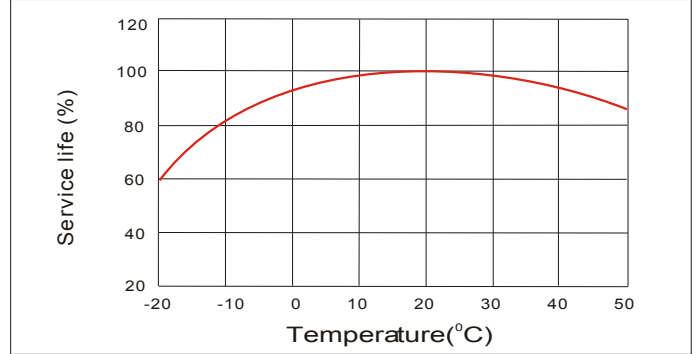
Charge voltage Vs ambient temperature curve



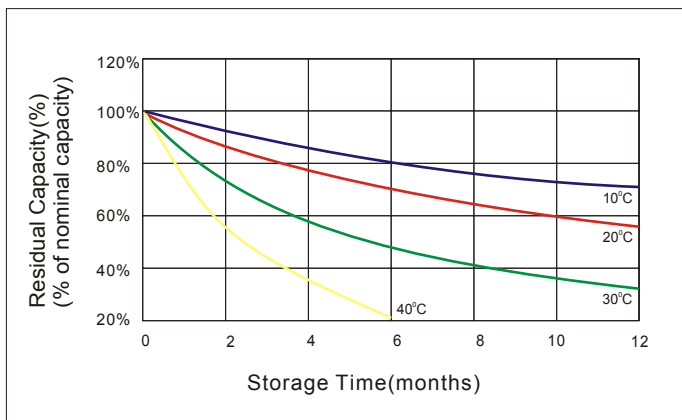
Discharge capacity Vs Ambient temperature curve (10A)



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.