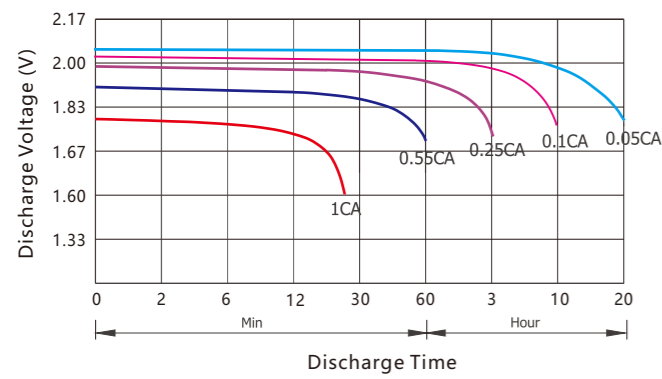
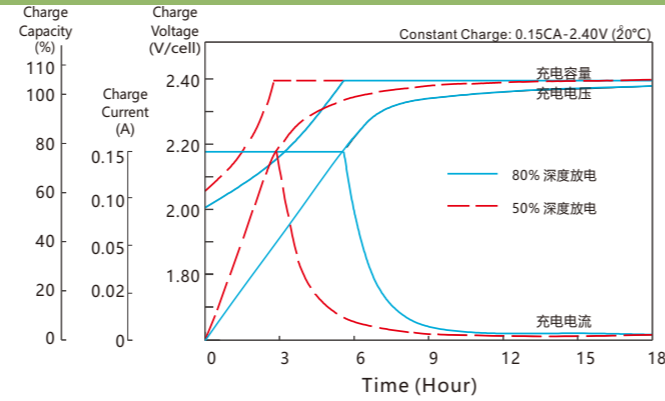


Performance Curve

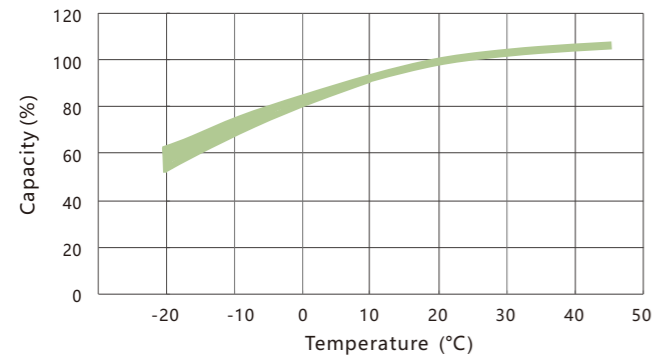
Discharging Characteristics (25°C/77°F)



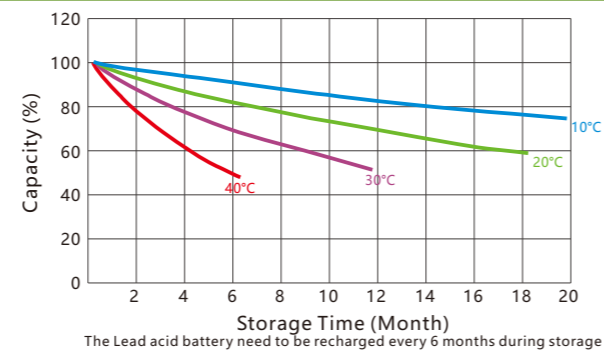
Charging Characteristics (25°C/77°F)



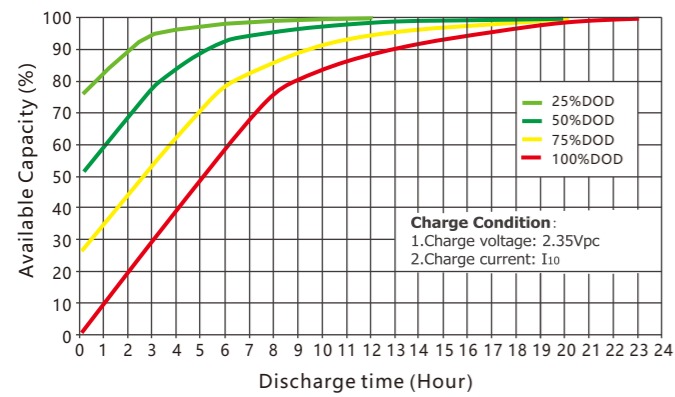
Capacity Effected by Temperature



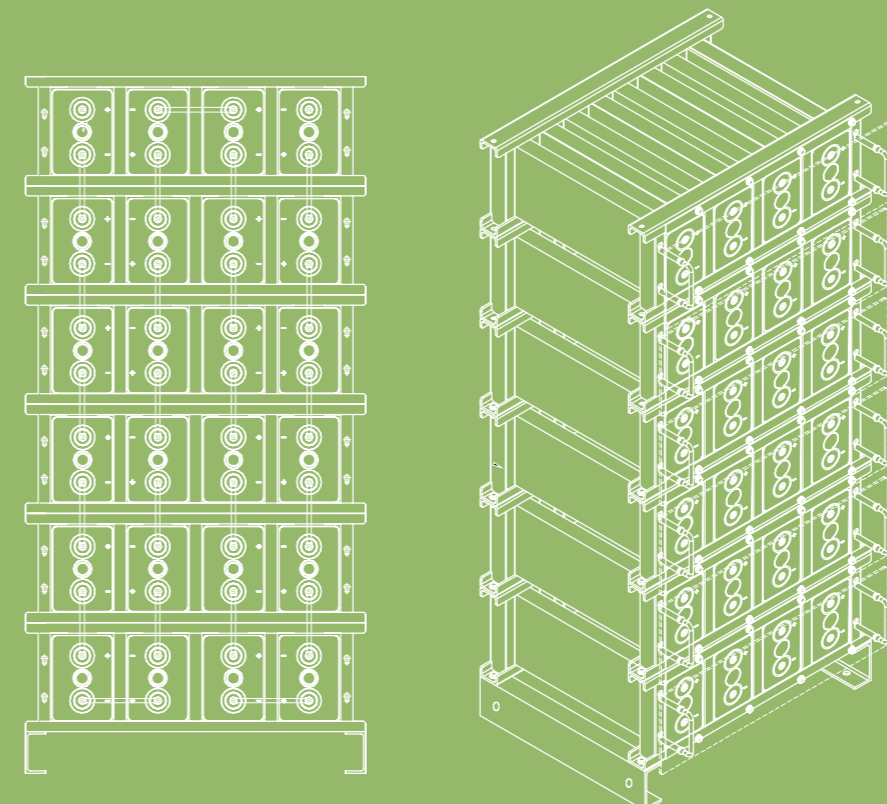
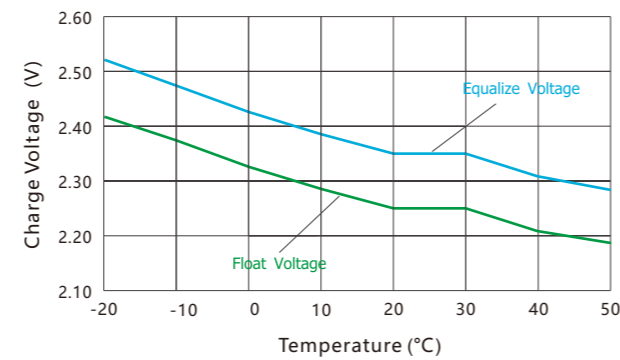
Self Discharge Characteristics



Charge Capacity with Time (25°C/77°F)



Charge Voltage with Temperature (25°C/77°F)



OPzV Series

Maintenance Free VRLA Battery
Tubular GEL Technology



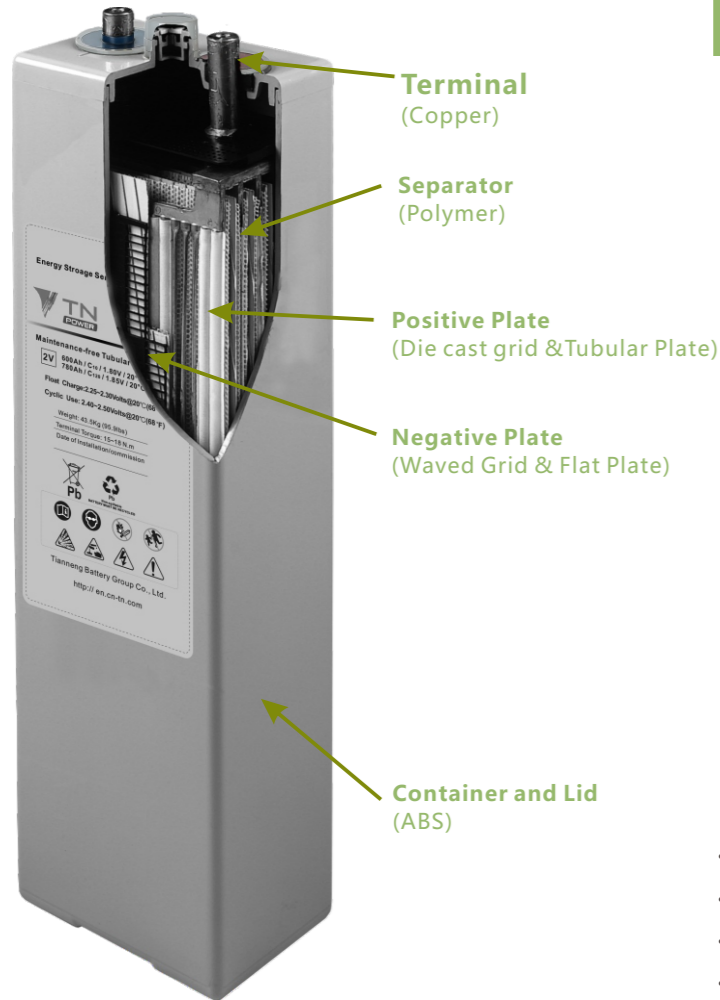
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Energy Storage Battery-OPzV Series (Tubular GEL Technology)

The OPzV Series offers 20+ years design life with tubular positive plates and fumed gelled electrolyte. This series is very suitable for providing excellent deep cycle, recovery performance and high reliability. OPzV series is recommended for telecom outdoor applications, renewable energy systems and other harsh environment applications.



CONSTRUCTION

- ✦ **Positive plate** - Tubular plate with die cast high tin / low calcium alloy grid and highly porous gauntlets retain the active material
- ✦ **Negative plate** - Balanced Pb-Ca grid for improved recombination efficiency and pasted plates designed to have service life consistent with the positive plates
- ✦ **Separator** - Leaf shape polymer separator with extremely high porosity and low internal resistance
- ✦ **Electrolyte** - Dilute high purity sulphuric acid with fumed silica gel.
- ✦ **Pillar seal** - 100% factory test, proven two layers epoxy resin seal.
- ✦ **Relief valve** - Complete with integrated flame arrestor.

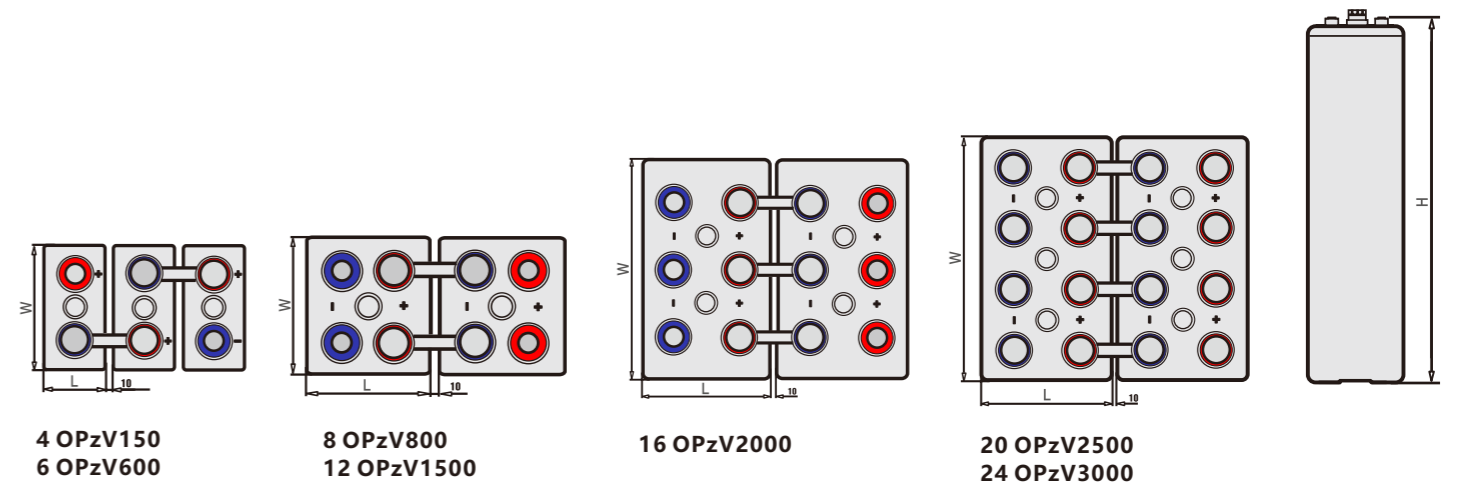
APPLICATION

- Renewable energy storage system
- Hybrid solar power system
- Uninterrupted Power Supply (UPS)
- Communication and electric equipment
- Emergency lighting equipment
- Fire alarm and security systems
- Control equipment, and other factory automation equipment
- Emergency power supply (EPS)
- Lighting equipment

- ☑ 20 years design life at floating condition
- ☑ Wide operating temperature range from -40°C to +60°C
- ☑ Tubular positive plate with prolonged cycle life
- ☑ Fumed silica gel electrolyte
- ☑ Lead calcium die case grid with improved corrosion resistance ability
- ☑ Low self-discharge rate and long shelf life
- ☑ Excellent deep discharge recovery capability

Product Specification

Model	Nominal Voltage (V)	Nominal capacity C ₁₀ (Ah) 1.80Vpc/25°C	Nominal capacity C ₂₀ (Ah) 1.80Vpc/25°C	Dimension (mm)				Weight (kg)	Dimension (inch)				Weight (lbs)	Terminal
				L	W	H	TH		L	W	H	TH		
3OPzV150	2	150	159	124	206	355	390	14.7	4.88	8.11	14.0	15.4	32.4	17
4OPzV200	2	200	212	103	206	355	390	18.0	4.06	8.11	14.0	15.4	39.7	17
5OPzV250	2	250	265	124	206	355	390	22.0	4.88	8.11	14.0	15.4	48.5	17
6OPzV300	2	300	318	145	206	355	390	26.0	5.71	8.11	14.0	15.4	57.3	17
5OPzV350	2	350	371	124	206	471	506	29.0	4.88	8.11	18.5	19.9	63.9	17
6OPzV420	2	420	445.2	145	206	471	506	34.0	5.71	8.11	18.5	19.9	75.0	17
7OPzV490	2	490	519.4	166	206	471	506	39.0	6.54	8.11	18.5	19.9	86.0	17
6OPzV600	2	600	636	145	206	646	681	46.0	5.71	8.11	25.4	26.8	101.4	17
8OPzV800	2	800	848	191	210	646	681	64.5	7.52	8.27	25.4	26.8	142.2	17
10OPzV1000	2	1000	1060	233	210	646	681	78.5	9.17	8.27	25.4	26.8	173.1	17
12OPzV1200	2	1200	1272	275	210	646	681	93.0	10.8	8.27	25.4	26.8	205.0	17
12OPzV1500	2	1500	1590	275	210	796	831	115	10.8	8.27	31.3	32.7	253.5	17
16OPzV2000	2	2000	2120	399	214	772	807	155	15.7	8.43	30.4	31.8	341.7	17
20OPzV2500	2	2500	2650	487	212	772	807	196	19.2	8.35	30.4	31.8	432.1	17
24OPzV3000	2	3000	3180	576	212	772	807	232	22.7	8.35	30.4	31.8	511.5	17



Performance Curve

