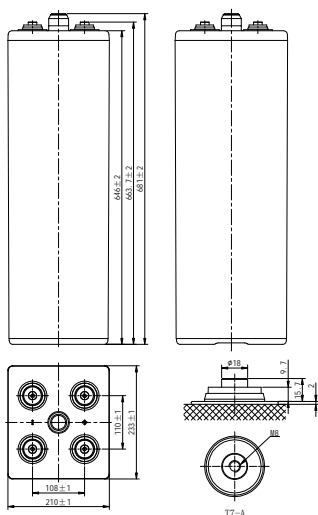


OPzV SERIES-TUBULAR GEL

100PzV1000 (2V1000Ah)



CHARACTERISTICS

Item	Specifications	
Rated Voltage	2V	
Nominal Capacity (25°C)	C ₁₀ , 1.80V/cell	1000Ah
Dimension	Length	233mm (9.17inches)
	Width	210mm (8.27inches)
	Container Height	646mm (25.4inches)
	Total Height	681mm (26.8inches)
Approx Weight	78.5kg (173.1lbs)	
Terminal	T7-A(M8)	
Container Material	ABS (UL94 HB or V-0 optional)	
Short-circuit current	6000A	
Internal Resistance (25°C)	Approx 0.45 mΩ (Fully charged)	
Operating Temp. Range	Discharge	-20~55°C (-4~131°F)
	Charge	0~40°C (32~104°F)
	Storage	-20~50°C (-4~122°F)
Nominal Operating Temp. Range	25±3°C (77±5°F)	
Max.Charging Current (25°C)	0.25C	
Charge voltage (25°C)	Standby Use	Cycle Use
	2.23-2.27V/cell	2.40-2.45V/cell
Temp. Coefficient	-3mV/cell/°C	
	40°C (104°F)	106%
Effect of temp. to Capacity	25°C (77°F)	100%
	0°C (32°F)	86%
	Self Discharge	≤3% per month at 25°C (77°F)

DISCHARGE TABLE

Constant Current Discharge (Amperes) at 25°C (77°F)											
F.V/Time	1h	2h	3h	5h	8h	10h	24h	48h	72h	100h	120h
1.85V/cell	446.9	302.2	232.0	158.7	111.2	93.7	44.5	23.3	16.7	12.7	10.9
1.80V/cell	501.0	331.0	252.3	171.0	119.0	100.0	46.0	24.2	17.4	13.0	11.3
1.75V/cell	520.9	342.5	258.1	174.4	121.0	101.7	46.3	24.7	17.8	13.3	11.4
1.70V/cell	543.7	351.1	263.2	177.0	122.7	102.9	47.1	25.2	18.0	13.5	11.6
1.67V/cell	557.9	356.9	268.1	179.9	124.2	103.7	47.5	25.5	18.1	13.7	11.7
1.60V/cell	566.5	362.7	271.2	181.6	125.0	104.6	47.9	25.7	18.3	13.8	11.9

Constant Power Discharge (Watts/cell) at 25°C (77°F)											
F.V/Time	1h	2h	3h	5h	8h	10h	24h	48h	72h	100h	120h
1.85V/cell	862.5	587.2	452.5	311.7	220.5	186.3	89.0	46.6	33.6	25.5	22.0
1.80V/cell	965.0	641.9	489.8	334.6	235.7	198.6	91.9	48.3	34.8	26.1	22.6
1.75V/cell	996.3	656.2	498.4	340.3	239.1	201.4	92.4	49.4	35.7	26.6	22.9
1.70V/cell	1030.5	670.6	507.0	346.0	241.7	203.4	93.8	50.3	36.0	27.0	23.2
1.67V/cell	1050.4	682.1	515.6	348.9	244.0	205.1	94.5	50.7	36.2	27.4	23.5
1.60V/cell	1061.8	687.9	518.4	351.7	245.2	206.3	95.2	51.2	36.4	27.6	23.7

OPzV SERIES-TUBULAR GEL

100PzV1000 (2V1000Ah)



APPLICATIONS

- Float charging applications: communication center, telecom basestation, UPS, power station, electric substation
- Solar and wind energy storage system
- Off-grid and bad-grid hybrid sites

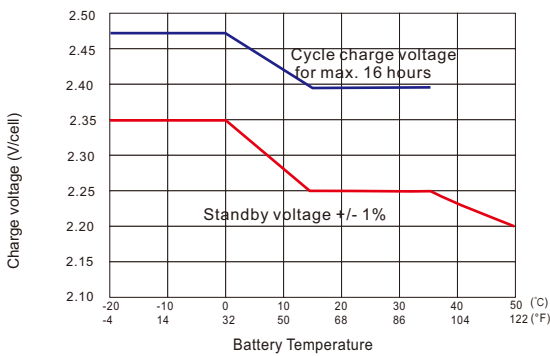
GENERAL FEATURES

- 20 year design life (20°C)
- Strong Lead-calcium alloy tubular plate technology - for longer life in the toughest conditions
- Gelled electrolyte for superior thermal management, long float life
- Proof against deep discharge - greater long-term energy delivery
- Exceptional cycling performance - 2500+ cycles at 60% Depth of Discharge

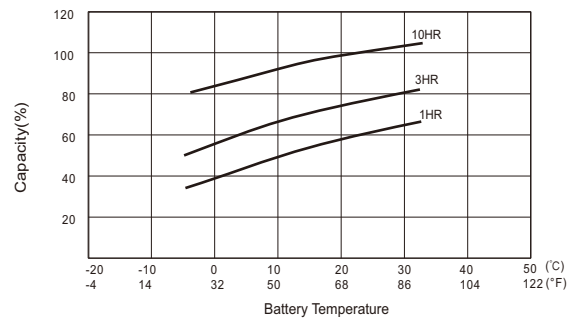
STANDARDS

- Compliance with IEC 60896, IEC 61427, DIN 40742 standards
- UL, CE Approved
- Manufactured in Leoch@IATF 16949, ISO 45001, ISO 9001 and ISO 14001 certified production facilities

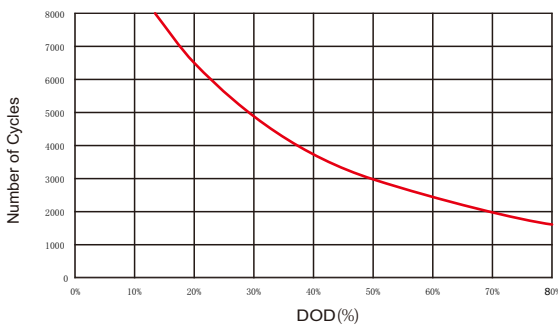
Charge Voltage vs Ambient Temperature Curve



Temperature Effects in Relation to Capacity



Cycle life



Self Discharge Characteristics

