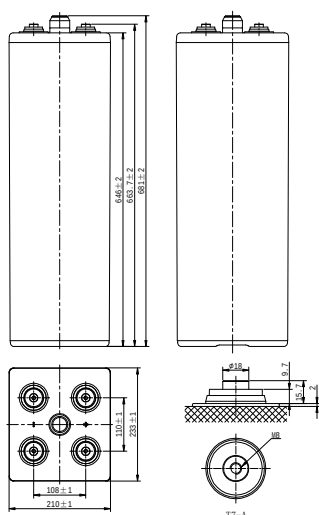


OPzV SERIES-TUBULAR GEL

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	68.6kg (151.2lbs)	
Terminal	T7-A(M8)	
Container Material	ABS (UL94 HB or V-0 optional)	
Short-circuit current	6000.0A	
Internal Resistance (25°C)	Approx 0.50 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	-5mV/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	415.6	281.0	222.7	162.3	106.7	93.7	43.1	22.6	16.2	12.3	10.5
1.80V/cell	465.9	307.8	242.2	164.1	114.2	100.0	44.6	23.4	16.8	12.6	10.9
1.75V/cell	484.4	318.5	247.7	167.4	116.1	101.7	44.9	23.9	17.2	12.9	11.0
1.70V/cell	505.6	326.5	252.6	169.9	117.8	102.9	45.6	24.4	17.4	13.1	11.2
1.67V/cell	518.8	331.9	257.3	172.7	119.2	103.7	46.0	24.7	17.5	13.2	11.3
1.60V/cell	526.8	337.3	260.3	174.3	120.0	104.6	46.4	24.9	17.7	13.3	11.5
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	784.6	537.6	430.0	297.2	210.6	185.4	85.8	45.0	32.4	24.7	21.2
1.80V/cell	876.8	587.3	466.7	319.7	225.1	197.7	88.6	46.7	33.7	25.2	22.0
1.75V/cell	897.1	604.8	475.7	325.1	228.2	200.1	89.0	47.6	34.4	25.7	22.1
1.70V/cell	932.4	617.4	483.1	328.8	230.7	202.4	90.4	48.5	34.7	26.1	22.5
1.67V/cell	954.1	626.3	491.3	333.6	233.2	203.7	91.1	49.0	34.9	26.5	22.6
1.60V/cell	956.2	632.8	494.6	335.4	233.8	204.9	91.6	49.3	35.2	26.6	23.0

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

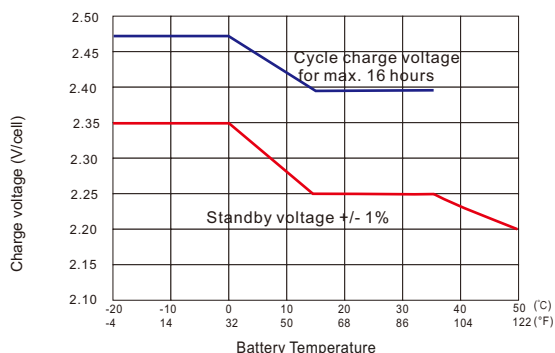
GENERAL FEATURES

- 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

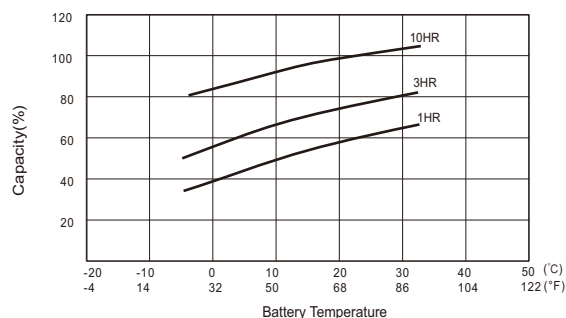
STANDARDS

- 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

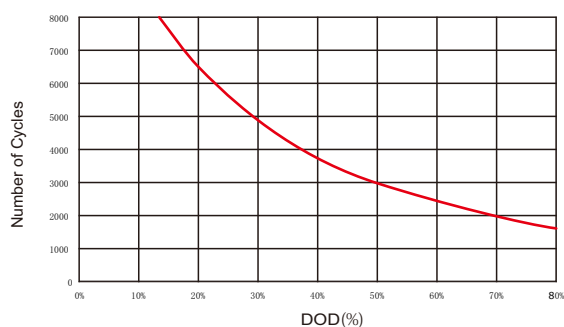
Charge Voltage vs Ambient Temperature Curve



Temperature Effects in Relation to Capacity



Cycle life



Self Discharge Characteristics

