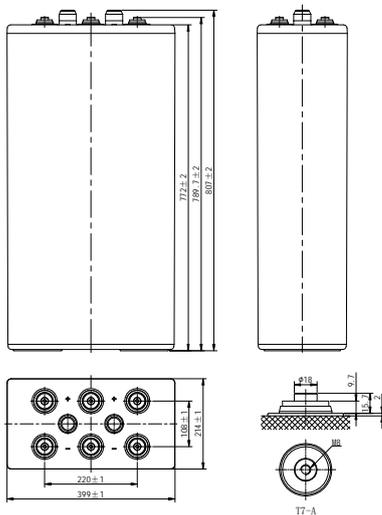


OPzV SERIES-TUBULAR GEL

16OPzV2000 (2V2000Ah)



CHARACTERISTICS

Item	Specifications	
Rated Voltage	2V	
Nominal Capacity (25°C)	C ₁₀ , 1.80V/cell	2000Ah
Dimension	Length	399mm (15.7inches)
	Width	214mm (8.43inches)
	Container Height	772mm (30.4inches)
	Total Height	807mm (31.8inches)
Approx Weight	137.0kg (302.0lbs)	
Terminal	T7-A(M8)	
Container Material	ABS (UL94 HB or V-0 optional)	
Short-circuit current	10000A	
Internal Resistance (25°C)	Approx 0.47 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	
Effect of temp. to Capacity	40°C (104°F)	106%
	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	747.3	500.8	418.6	307.8	197.6	177.5	87.7	44.6	32.5	23.8	20.3
1.80V/cell	899.3	578.1	471.1	333.7	216.5	200.0	93.1	47.4	34.0	24.9	21.2
1.75V/cell	945.4	623.4	516.0	354.5	231.8	215.5	96.0	48.8	34.9	25.6	21.8
1.70V/cell	961.6	644.1	538.3	365.1	236.0	217.2	97.2	49.5	35.1	25.7	21.9
1.65V/cell	992.6	665.2	556.1	372.4	239.5	219.4	98.1	49.9	35.3	25.9	22.1
1.60V/cell	1053.6	690.4	569.3	380.7	243.2	224.2	100.5	51.1	35.7	26.2	22.3

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	1410.9	957.9	808.3	600.4	389.6	351.1	174.5	89.1	65.1	47.8	40.8
1.80V/cell	1692.5	1103.1	907.8	650.2	427.4	395.0	185.0	94.5	68.0	49.9	42.7
1.75V/cell	1750.9	1183.8	990.8	688.1	455.5	424.6	190.2	97.1	69.7	51.0	43.8
1.70V/cell	1773.2	1218.1	1029.3	707.7	462.0	426.9	192.5	98.3	69.8	51.1	43.8
1.65V/cell	1825.3	1255.3	1061.6	720.2	467.9	430.3	193.9	99.0	70.3	51.5	44.1
1.60V/cell	1912.4	1295.2	1081.7	733.1	473.2	438.7	198.1	101.0	70.9	52.0	44.5

OPzV SERIES-TUBULAR GEL

16OPzV2000 (2V2000Ah)



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

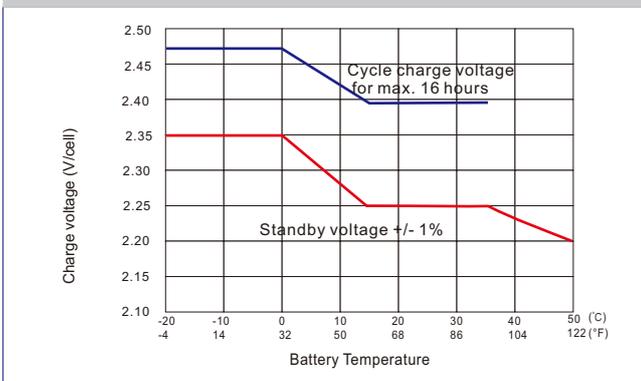
GENERAL FEATURES

- 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

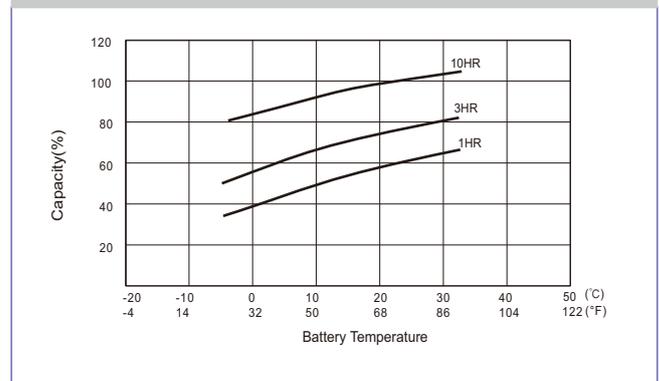
STANDARDS

- 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

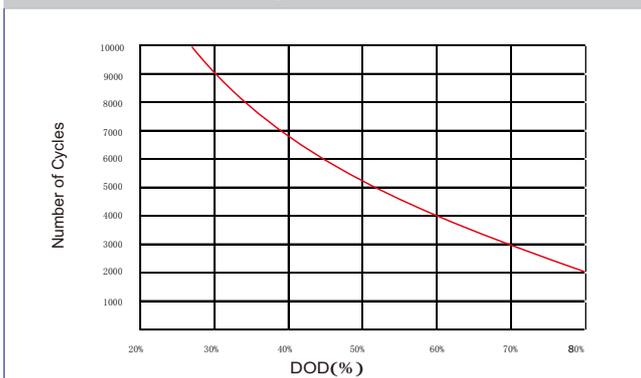
Charge Voltage vs Ambient Temperature Curve



Temperature Effects in Relation to Capacity



Cycle life



Self Discharge Characteristics

