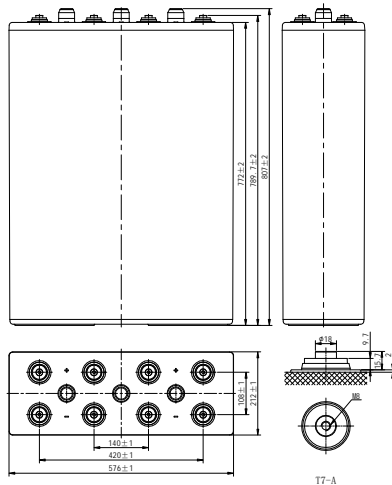


OPzV SERIES-TUBULAR GEL

24OPzV3000 (2V3000Ah)



CHARACTERISTICS

Item	Specifications	
Rated Voltage	2V	
Nominal Capacity (25°C)	C ₁₀ , 1.80V/cell	3000Ah
Dimension	Length	576mm (22.7inches)
	Width	212mm (8.35inches)
	Container Height	772mm (30.4inches)
	Total Height	807mm (31.8inches)
Approx Weight	232.0kg (511.5lbs)	
Terminal	T7-A(M8)	
Container Material	ABS (UL94 HB or V-0 optional)	
Short-circuit current	15000A	
Internal Resistance (25°C)	Approx 0.23 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	1340.7	906.7	696.0	476.1	333.7	281.1	133.5	69.8	50.2	38.0	32.8
1.80V/cell	1503.0	993.0	757.0	513.0	357.0	300.0	138.1	72.5	52.1	39.0	33.8
1.75V/cell	1562.8	1027.5	774.2	523.3	363.0	305.1	139.0	74.1	53.4	39.8	34.3
1.70V/cell	1631.1	1053.4	789.7	531.0	368.2	308.6	141.3	75.6	53.9	40.4	34.7
1.67V/cell	1673.8	1070.7	804.3	539.6	372.5	311.1	142.5	76.4	54.4	41.0	35.2
1.60V/cell	1699.4	1088.0	813.7	544.7	375.1	313.7	143.8	77.2	54.8	41.5	35.6

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	2587.6	1761.5	1357.6	935.1	661.4	558.9	266.9	139.7	100.8	76.5	66.1
1.80V/cell	2895.0	1925.6	1469.3	1003.7	707.1	595.7	275.7	144.9	104.4	78.3	67.9
1.75V/cell	2988.9	1968.7	1495.1	1020.9	717.4	604.3	277.2	148.1	107.0	79.8	68.8
1.70V/cell	3091.4	2011.9	1520.9	1038.0	725.2	610.3	281.4	150.8	107.9	80.9	69.7
1.67V/cell	3151.2	2046.4	1546.7	1046.6	732.1	615.4	283.6	152.2	108.7	82.2	70.5
1.60V/cell	3185.3	2063.7	1555.2	1055.2	735.6	618.9	285.6	153.7	109.3	82.9	71.2

OPzV SERIES-TUBULAR GEL

24OPzV3000 (2V3000Ah)



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

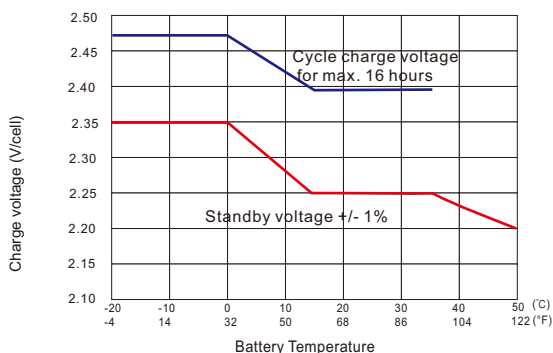
GENERAL FEATURES

- 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

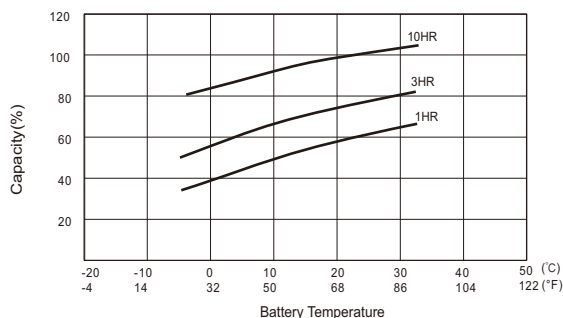
STANDARDS

- 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

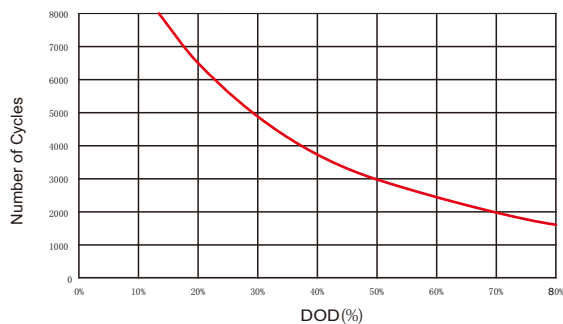
Charge Voltage vs Ambient Temperature Curve



Temperature Effects in Relation to Capacity



Cycle life



Self Discharge Characteristics

