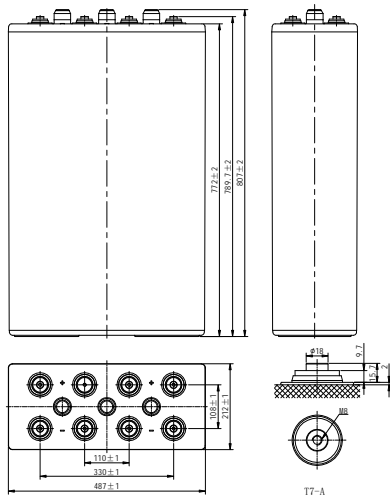


OPzV SERIES-TUBULAR GEL

20OPzV2500 (2V2500Ah)



CHARACTERISTICS

Item	Specifications	
Rated Voltage	2V	
Nominal Capacity (25°C)	C ₁₀ , 1.80V/cell	2500Ah
Dimension	Length	487mm (19.2inches)
	Width	212mm (8.35inches)
	Container Height	772mm (30.4inches)
	Total Height	807mm (31.8inches)
Approx Weight	196.0kg (432.1lbs)	
Terminal	T7-A(M8)	
Container Material	ABS (UL94 HB or V-0 optional)	
Short-circuit current	12500A	
Internal Resistance (25°C)	Approx 0.25 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	1117.3	755.5	580.0	396.8	278.1	234.3	111.3	58.2	41.8	31.7	27.3
1.80V/cell	1252.5	827.5	630.8	427.5	297.5	250.0	115.1	60.4	43.4	32.5	28.1
1.75V/cell	1302.3	856.3	645.2	436.1	302.5	254.3	115.8	61.8	44.5	33.2	28.5
1.70V/cell	1359.2	877.9	658.0	442.5	306.8	257.1	117.7	63.0	44.9	33.6	28.9
1.67V/cell	1394.8	892.3	670.2	449.7	310.4	259.3	118.8	63.6	45.3	34.2	29.3
1.60V/cell	1416.2	906.7	678.1	454.0	312.6	261.4	119.8	64.4	45.6	34.6	29.6

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	2156.3	1467.9	1131.3	779.2	551.2	465.7	222.4	116.4	84.0	63.7	55.0
1.80V/cell	2412.5	1604.6	1224.4	836.4	589.3	496.4	229.7	120.8	87.0	65.3	56.6
1.75V/cell	2490.8	1640.6	1245.9	850.7	597.9	503.6	231.0	123.4	89.2	66.5	57.3
1.70V/cell	2576.2	1676.6	1267.4	865.0	604.3	508.6	234.5	125.6	89.9	67.4	58.1
1.67V/cell	2626.0	1705.4	1288.9	872.2	610.1	512.9	236.3	126.8	90.6	68.5	58.7
1.60V/cell	2654.4	1719.8	1296.0	879.3	613.0	515.7	238.0	128.1	91.1	69.1	59.3

OPzV SERIES-TUBULAR GEL

20OPzV2500 (2V2500Ah)



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

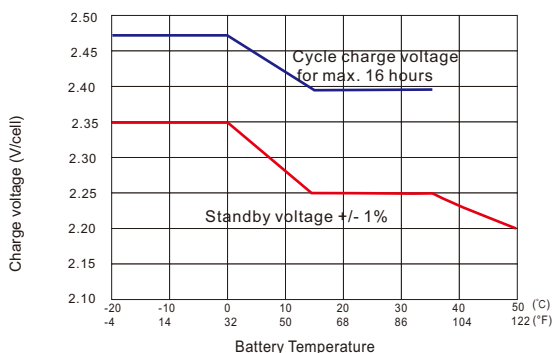
GENERAL FEATURES

- 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

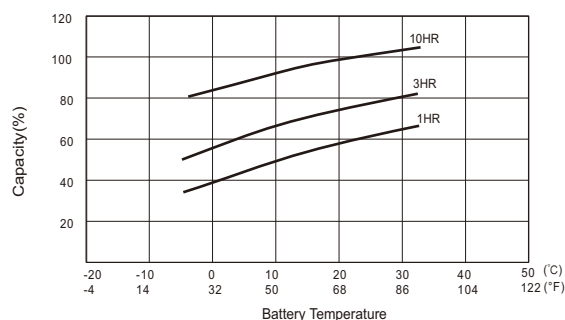
STANDARDS

- 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

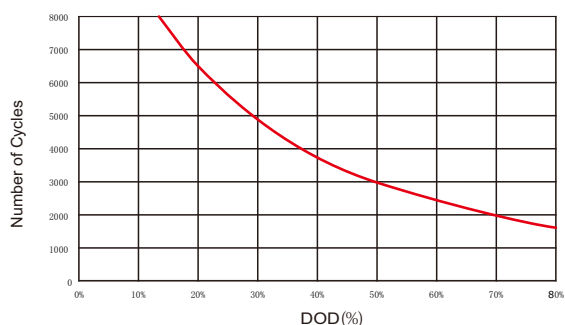
Charge Voltage vs Ambient Temperature Curve



Temperature Effects in Relation to Capacity



Cycle life



Self Discharge Characteristics

