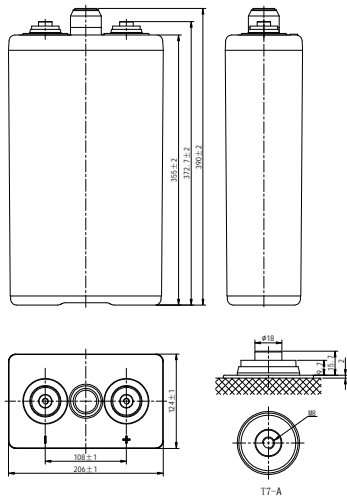


OPzV SERIES-TUBULAR GEL

5OPzV250 (2V250Ah)



CHARACTERISTICS

Item	Specifications	
Rated Voltage	2V	
Nominal Capacity (25°C)	C ₁₀ , 1.80V/cell	250Ah
Dimension	Length	124mm (4.88inches)
	Width	206mm (8.11inches)
	Container Height	355mm (14.0inches)
	Total Height	390mm (15.4inches)
Approx Weight	22.4kg (49.4lbs)	
Terminal	T7-A(M8)	
Container Material	ABS (UL94 HB or V-0 optional)	
Short-circuit current	2000A	
Internal Resistance (25°C)	Approx 0.8 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	111.7	75.6	58.0	39.7	27.8	23.4	11.1	5.82	4.18	3.17	2.73
1.80V/cell	125.3	82.8	63.1	42.8	29.8	25.0	11.5	6.04	4.34	3.25	2.81
1.75V/cell	130.2	85.6	64.5	43.6	30.3	25.4	11.6	6.18	4.45	3.32	2.85
1.70V/cell	135.9	87.8	65.8	44.3	30.7	25.7	11.8	6.30	4.49	3.36	2.89
1.67V/cell	139.5	89.2	67.0	45.0	31.0	25.9	11.9	6.36	4.53	3.42	2.93
1.60V/cell	141.6	90.7	67.8	45.4	31.3	26.1	12.0	6.44	4.56	3.46	2.96

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	215.6	146.8	113.1	77.9	55.1	46.6	22.2	11.6	8.40	6.37	5.50
1.80V/cell	241.2	160.5	122.4	83.6	58.9	49.6	23.0	12.1	8.70	6.53	5.66
1.75V/cell	249.1	164.1	124.6	85.1	59.8	50.4	23.1	12.3	8.92	6.65	5.73
1.70V/cell	257.6	167.7	126.7	86.5	60.4	50.9	23.4	12.6	8.99	6.74	5.81
1.67V/cell	262.6	170.5	128.9	87.2	61.0	51.3	23.6	12.7	9.06	6.85	5.87
1.60V/cell	265.4	172.0	129.6	87.9	61.3	51.6	23.8	12.8	9.11	6.91	5.93

OPzV SERIES-TUBULAR GEL

5OPzV250 (2V250Ah)



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

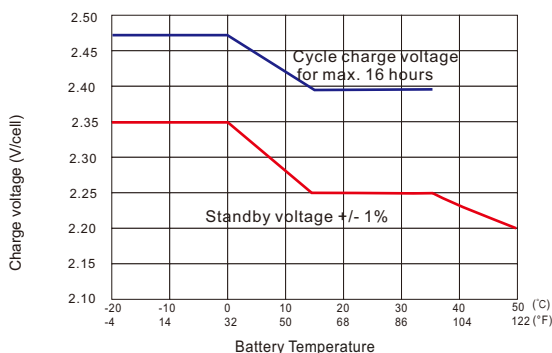
GENERAL FEATURES

- 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

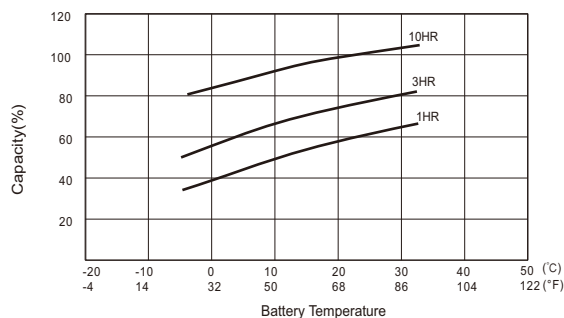
STANDARDS

- 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

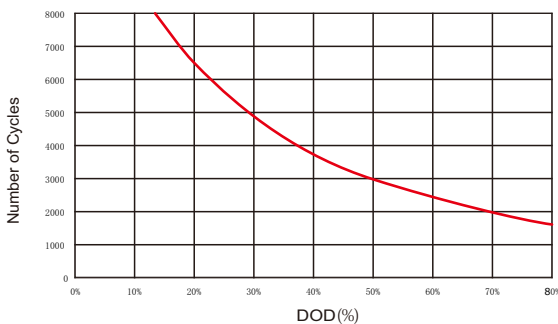
Charge Voltage vs Ambient Temperature Curve



Temperature Effects in Relation to Capacity



Cycle life



Self Discharge Characteristics

