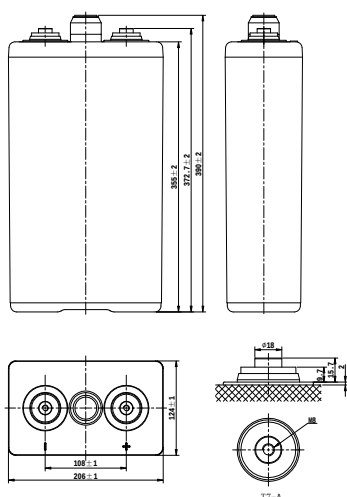


OPzV SERIES-TUBULAR GEL

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	20.0kg (44.1lbs)	
Terminal	T7-A(M8)	
Container Material	ABS (UL94 HB or V-0 optional)	
Short-circuit current	2000.0A	
Internal Resistance (25°C)	Approx 1.00 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	103.8	70.3	55.6	38.1	26.6	23.4	10.8	5.64	4.05	3.07	2.64
1.80V/cell	116.5	77.0	60.5	41.0	28.6	25.0	11.2	5.85	4.21	3.15	2.72
1.75V/cell	121.0	79.6	61.9	41.8	29.0	25.4	11.3	6.00	4.31	3.22	2.76
1.70V/cell	126.3	81.6	63.1	42.5	29.4	25.7	11.4	6.11	4.35	3.26	2.80
1.67V/cell	129.7	82.9	64.3	43.2	29.7	25.9	11.5	6.17	4.39	3.31	2.84
1.60V/cell	131.6	84.3	65.0	43.5	30.0	26.1	11.6	6.24	4.42	3.35	2.87
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	197.4	134.7	107.6	74.3	52.6	46.3	21.4	11.3	8.11	6.16	5.32
1.80V/cell	220.8	147.2	116.8	80.0	56.3	49.4	22.2	11.7	8.41	6.31	5.47
1.75V/cell	225.8	151.5	119.0	81.2	57.1	50.0	22.3	11.9	8.60	6.43	5.53
1.70V/cell	234.7	154.7	120.9	82.3	57.7	50.5	22.7	12.1	8.67	6.50	5.60
1.67V/cell	240.2	156.8	122.9	83.4	58.2	50.9	22.8	12.2	8.74	6.61	5.67
1.60V/cell	240.7	158.5	123.8	83.8	58.5	51.1	23.0	12.4	8.78	6.67	5.72

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

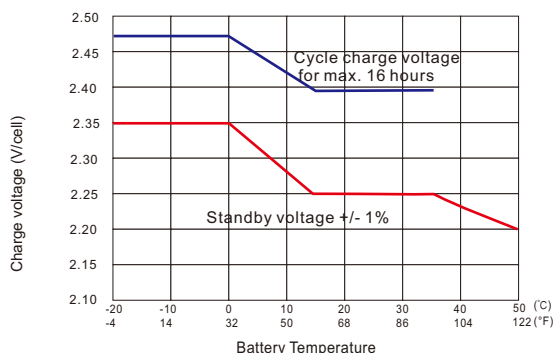
GENERAL FEATURES

- 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

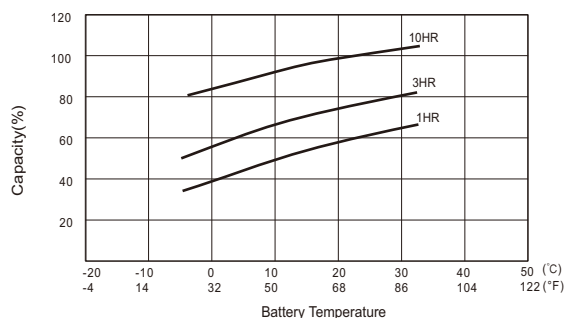
STANDARDS

- 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

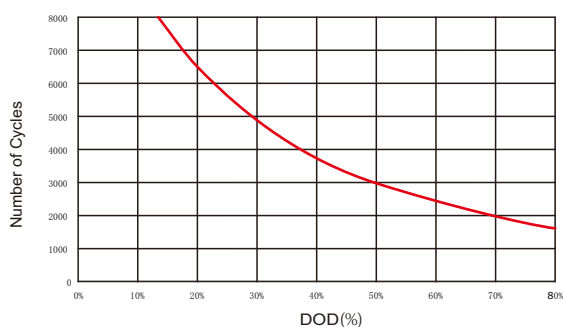
Charge Voltage vs Ambient Temperature Curve



Temperature Effects in Relation to Capacity



Cycle life



Self Discharge Characteristics

