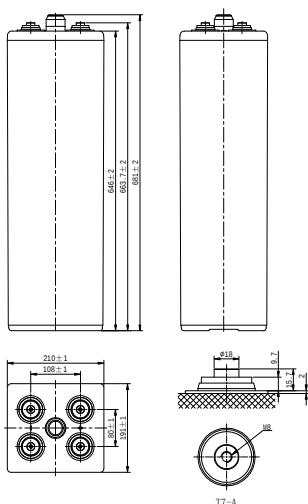


OPzV SERIES-TUBULAR GEL

8OPzV800 (2V800Ah)



CHARACTERISTICS

Item	Specifications	
Rated Voltage	2V	
Nominal Capacity (25°C)	C ₁₀ , 1.80V/cell	800Ah
Dimension	Length	191mm (7.52inches)
	Width	210mm (8.27inches)
	Container Height	646mm (25.4inches)
	Total Height	681mm (26.8inches)
Approx Weight	65.1kg (143.5lbs)	
Terminal	T7-A(M8)	
Container Material	ABS (UL94 HB or V-0 optional)	
Short-circuit current	4800A	
Internal Resistance (25°C)	Approx 0.5 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	357.5	241.8	185.6	127.0	89.0	75.0	35.6	18.6	13.4	10.1	8.75
1.80V/cell	400.8	264.8	201.9	136.8	95.2	80.0	36.8	19.3	13.9	10.4	9.00
1.75V/cell	416.7	274.0	206.4	139.5	96.8	81.4	37.1	19.8	14.2	10.6	9.13
1.70V/cell	435.0	280.9	210.6	141.6	98.2	82.3	37.7	20.2	14.4	10.8	9.26
1.67V/cell	446.3	285.5	214.5	143.9	99.3	83.0	38.0	20.4	14.5	10.9	9.38
1.60V/cell	453.2	290.1	217.0	145.3	100.0	83.7	38.3	20.6	14.6	11.1	9.48
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	690.0	469.7	362.0	249.4	176.4	149.0	71.2	37.3	26.9	20.4	17.6
1.80V/cell	772.0	513.5	391.8	267.7	188.6	158.9	73.5	38.6	27.8	20.9	18.1
1.75V/cell	797.0	525.0	398.7	272.2	191.3	161.1	73.9	39.5	28.5	21.3	18.3
1.70V/cell	824.4	536.5	405.6	276.8	193.4	162.7	75.0	40.2	28.8	21.6	18.6
1.67V/cell	840.3	545.7	412.4	279.1	195.2	164.1	75.6	40.6	29.0	21.9	18.8
1.60V/cell	849.4	550.3	414.7	281.4	196.1	165.0	76.2	41.0	29.1	22.1	19.0

OPzV SERIES-TUBULAR GEL

8OPzV800 (2V800Ah)



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

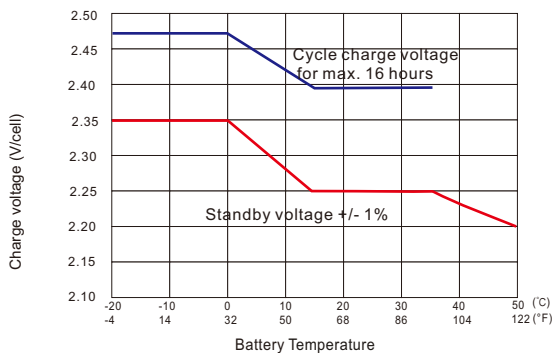
GENERAL FEATURES

- 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

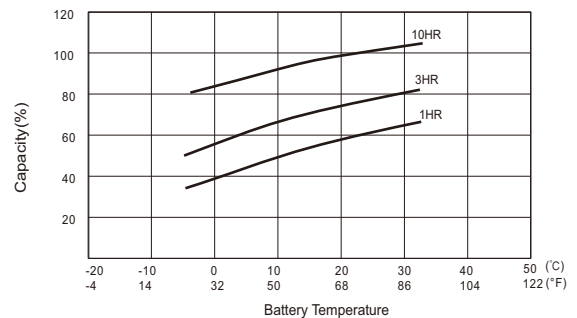
STANDARDS

- 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

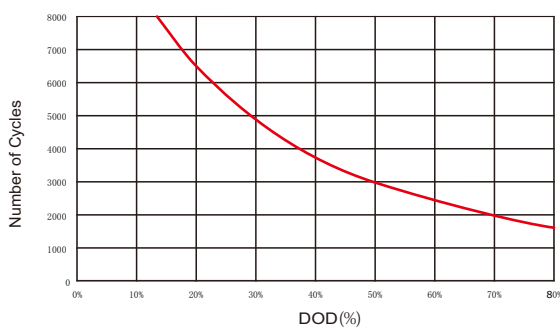
Charge Voltage vs Ambient Temperature Curve



Temperature Effects in Relation to Capacity



Cycle life



Self Discharge Characteristics

