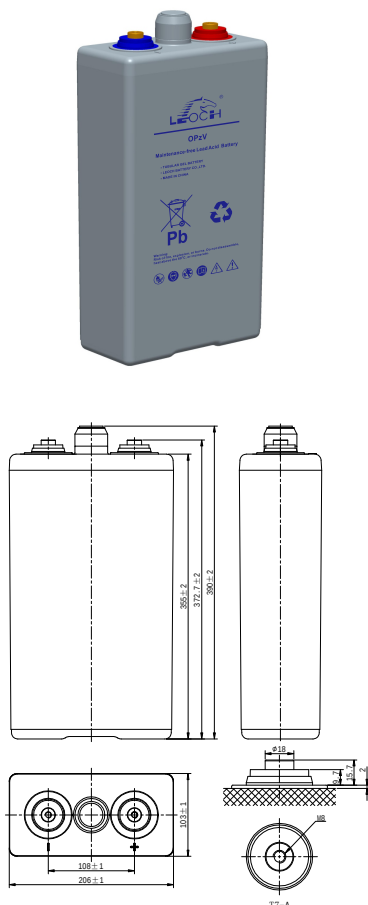


4OPzV200 (2V200Ah)



CHARACTERISTICS

Item	Specifications	
Rated Voltage	2V	
Nominal Capacity (25°C)	C ₁₀ , 1.80V/cell	200Ah
Dimension	Length	103mm (4.06inches)
	Width	206mm (8.1inches)
	Container Height	355mm (14.0inches)
	Total Height	390mm (15.4inches)
Approx Weight	16.5kg (36.4lbs)	
Terminal	T7-A(M8)	
Container Material	ABS (UL94 HB or V-0 optional)	
Short-circuit current	1600.0A	
Internal Resistance (25°C)	Approx 1.10 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
Effect of temp. to Capacity	40°C (104°F)	106%
	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	83.1	56.1	44.5	30.6	21.3	18.7	8.63	4.51	3.25	2.46	2.12
1.80V/cell	93.1	61.5	48.4	33.0	22.8	20.0	8.93	4.68	3.36	2.52	2.18
1.75V/cell	96.9	63.7	49.5	33.7	23.2	20.3	8.99	4.79	3.45	2.57	2.21
1.70V/cell	101.1	65.2	50.5	34.1	23.5	20.5	9.13	4.88	3.49	2.61	2.24
1.67V/cell	103.7	66.4	51.4	34.7	23.8	20.8	9.21	4.93	3.52	2.65	2.27
1.60V/cell	105.3	67.4	52.0	35.0	24.0	20.9	9.29	5.00	3.54	2.68	2.30
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	158.0	107.6	86.1	59.7	42.0	37.0	17.2	9.00	6.50	4.94	4.26
1.80V/cell	176.5	117.7	93.5	64.3	45.0	39.5	17.8	9.33	6.72	5.05	4.38
1.75V/cell	180.7	121.2	95.2	65.4	45.6	40.0	17.8	9.52	6.88	5.13	4.43
1.70V/cell	187.7	123.7	96.6	66.1	46.0	40.3	18.1	9.70	6.95	5.20	4.48
1.67V/cell	192.2	125.5	98.3	67.1	46.5	40.8	18.2	9.78	7.00	5.30	4.53
1.60V/cell	192.6	126.7	98.9	67.4	46.7	40.9	18.3	9.88	7.02	5.34	4.58

OPzV SERIES-TUBULAR GEL

4OPzV200 (2V200Ah)



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

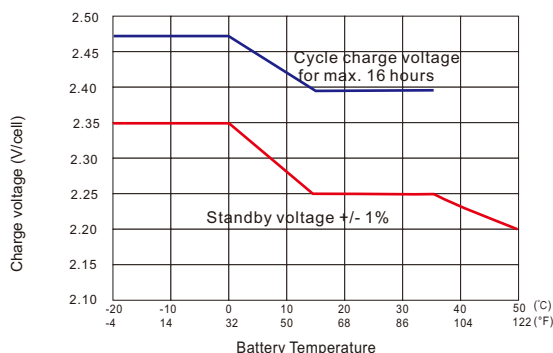
GENERAL FEATURES

- 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

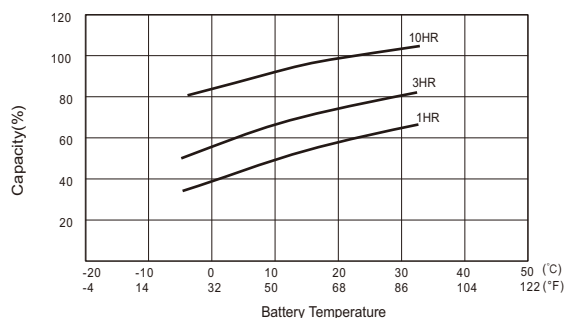
STANDARDS

- 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

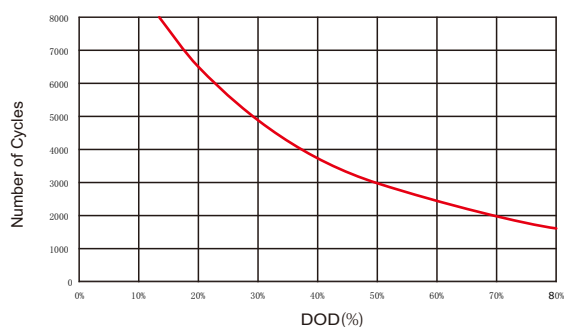
Charge Voltage vs Ambient Temperature Curve



Temperature Effects in Relation to Capacity



Cycle life



Self Discharge Characteristics

