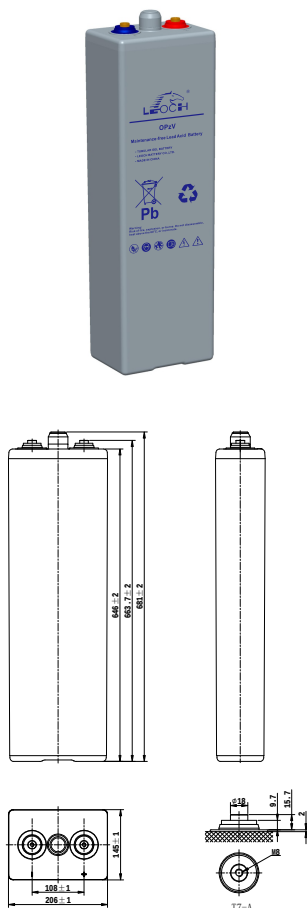


OPzV SERIES-TUBULAR GEL

6OPzV600 (2V600Ah)



CHARACTERISTICS

Item	Specifications	
Rated Voltage	2V	
Nominal Capacity (25°C)	C ₁₀ , 1.80V/cell	600Ah
Dimension	Length	145mm (5.71inches)
	Width	206mm (8.11inches)
	Container Height	646mm (25.4inches)
	Total Height	681mm (26.8inches)
Approx Weight	48.0kg (105.8lbs)	
Terminal	T7-A(M8)	
Container Material	ABS (UL94 HB or V-0 optional)	
Short-circuit current	3600A	
Internal Resistance (25°C)	Approx 0.66 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	268.1	181.3	139.2	95.2	66.7	56.2	26.7	14.0	10.0	7.61	6.56
1.80V/cell	300.6	198.6	151.4	102.6	71.4	60.0	27.6	14.5	10.4	7.80	6.75
1.75V/cell	312.6	205.5	154.8	104.7	72.6	61.0	27.8	14.8	10.7	7.96	6.85
1.70V/cell	326.2	210.7	157.9	106.2	73.6	61.7	28.3	15.1	10.8	8.07	6.94
1.67V/cell	334.8	214.1	160.9	107.9	74.5	62.2	28.5	15.3	10.9	8.21	7.03
1.60V/cell	339.9	217.6	162.7	108.9	75.0	62.7	28.8	15.4	11.0	8.30	7.11
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	517.5	352.3	271.5	187.0	132.3	111.8	53.4	27.9	20.2	15.3	13.2
1.80V/cell	579.0	385.1	293.9	200.7	141.4	119.1	55.1	29.0	20.9	15.7	13.6
1.75V/cell	597.8	393.7	299.0	204.2	143.5	120.9	55.4	29.6	21.4	16.0	13.8
1.70V/cell	618.3	402.4	304.2	207.6	145.0	122.1	56.3	30.2	21.6	16.2	13.9
1.67V/cell	630.2	409.3	309.3	209.3	146.4	123.1	56.7	30.4	21.7	16.4	14.1
1.60V/cell	637.1	412.7	311.0	211.0	147.1	123.8	57.1	30.7	21.9	16.6	14.2

OPzV SERIES-TUBULAR GEL

6OPzV600 (2V600Ah)



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

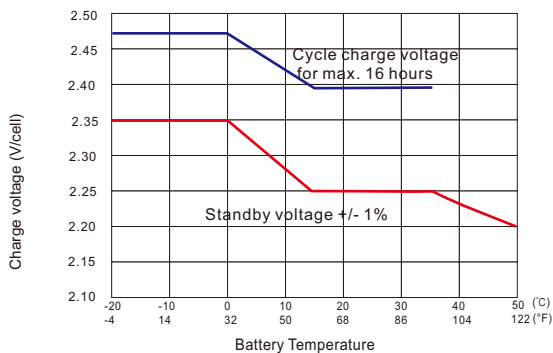
GENERAL FEATURES

- 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

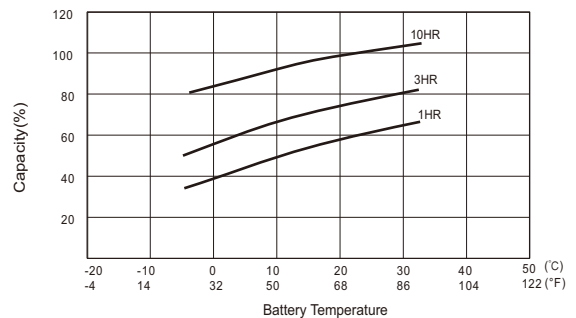
STANDARDS

- 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

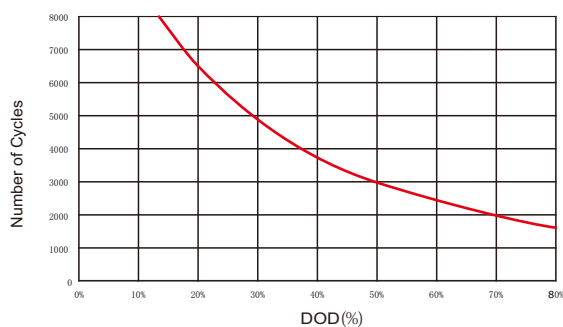
Charge Voltage vs Ambient Temperature Curve



Temperature Effects in Relation to Capacity



Cycle life



Self Discharge Characteristics

