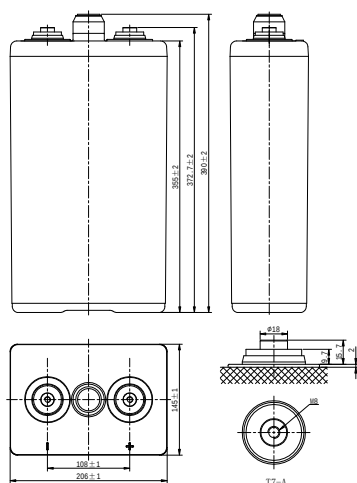


OPzV SERIES-TUBULAR GEL

6OPzV300 (2V300Ah)



CHARACTERISTICS

Item	Specifications	
Rated Voltage	2V	
Nominal Capacity (25°C)	C ₁₀ , 1.80V/cell	300Ah
Dimension	Length	145mm (5.71inches)
	Width	206mm (8.11inches)
	Container Height	355mm (14.0inches)
	Total Height	390mm (15.4inches)
Approx Weight	23.2kg (51.1lbs)	
Terminal	T7-A(M8)	
Container Material	ABS (UL94 HB or V-0 optional)	
Short-circuit current	2400.0A	
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	124.7	84.3	66.8	45.7	32.0	28.1	13.0	6.77	4.87	3.68	3.18
1.80V/cell	139.7	92.3	72.6	49.2	34.2	30.0	13.4	7.03	5.05	3.78	3.27
1.75V/cell	145.3	95.6	74.3	50.2	34.8	30.5	13.5	7.18	5.18	3.86	3.32
1.70V/cell	151.6	97.9	75.8	50.9	35.3	30.9	13.7	7.33	5.22	3.91	3.36
1.67V/cell	155.6	99.6	77.1	51.8	35.8	31.1	13.9	7.41	5.27	3.97	3.41
1.60V/cell	158.0	101.1	78.1	52.3	36.0	31.4	14.0	7.48	5.31	4.02	3.45

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	237.0	161.7	129.1	89.1	63.2	55.6	25.9	13.5	9.73	7.39	6.39
1.80V/cell	264.8	176.5	140.1	95.9	67.5	59.3	26.6	14.0	10.1	7.57	6.58
1.75V/cell	271.1	181.9	142.8	97.5	68.4	60.1	26.7	14.3	10.3	7.71	6.66
1.70V/cell	281.6	185.5	145.1	98.6	69.2	60.7	27.1	14.6	10.4	7.81	6.72
1.67V/cell	288.3	188.3	147.5	100.1	70.0	61.1	27.4	14.7	10.5	7.93	6.82
1.60V/cell	288.8	190.2	148.6	100.6	70.1	61.5	27.5	14.8	10.6	8.01	6.88

OPzV SERIES-TUBULAR GEL

6OPzV300 (2V300Ah)



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

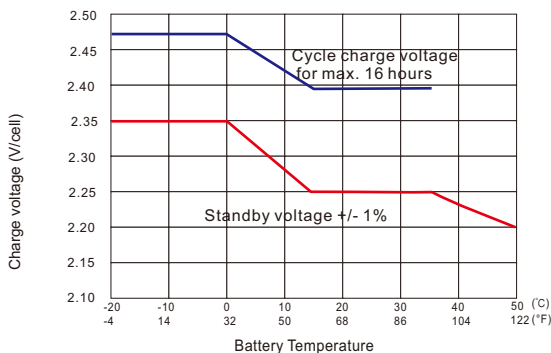
GENERAL FEATURES

- 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

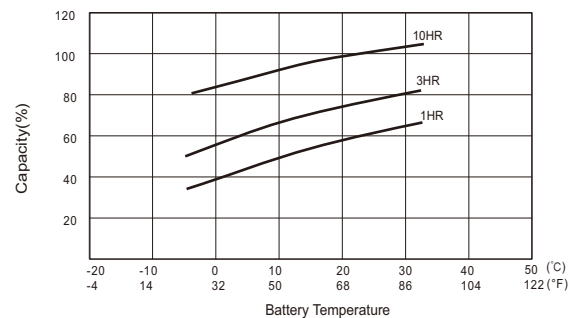
STANDARDS

- 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

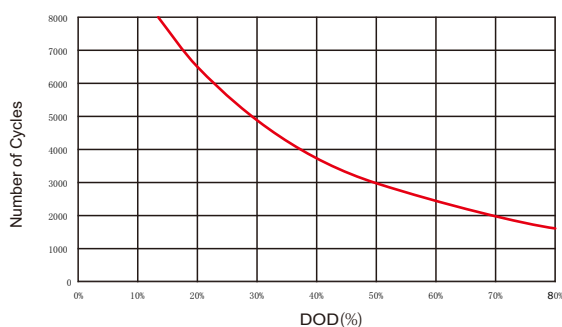
Charge Voltage vs Ambient Temperature Curve



Temperature Effects in Relation to Capacity



Cycle life



Self Discharge Characteristics

