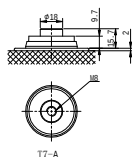
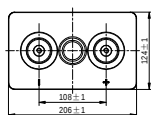
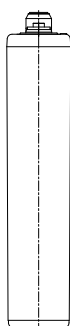
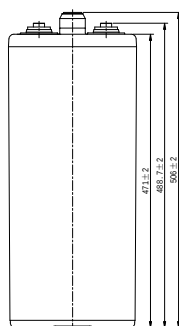


OPzV SERIES-TUBULAR GEL

5OPzV350 (2V350Ah)



CHARACTERISTICS

Item	Specifications	
Rated Voltage	2V	
Nominal Capacity (25°C)	C ₁₀ , 1.80V/cell	350Ah
Dimension	Length	124mm(4.88inches)
	Width	206mm(8.11inches)
	Container Height	471mm(18.5inches)
	Total Height	506mm(19.9inches)
Approx Weight	28.5kg(62.8lbs)	
Terminal	T7-A(M8)	
Container Material	ABS (UL94 HB or V-0 optional)	
Short-circuit current	2625A	
Internal Resistance (25°C)	Approx 0.85 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	156.4	105.8	83.6	57.2	40.1	35.4	16.4	8.55	6.15	4.66	4.02
1.80V/cell	175.4	115.9	92.7	64.7	45.0	39.2	17.4	9.14	6.57	4.91	4.26
1.75V/cell	182.3	119.9	94.8	66.0	45.8	39.9	17.5	9.34	6.73	5.01	4.32
1.70V/cell	190.3	122.9	96.7	67.0	46.4	40.3	17.8	9.53	6.79	5.09	4.37
1.67V/cell	195.3	124.9	98.5	68.0	47.0	40.7	17.9	9.62	6.85	5.17	4.43
1.60V/cell	198.3	126.9	99.6	68.7	47.3	41.0	18.1	9.73	6.90	5.23	4.48
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	297.3	202.8	161.7	111.5	79.1	70.1	32.6	17.1	12.3	9.35	8.08
1.80V/cell	332.4	221.6	178.8	126.0	88.8	77.5	34.5	18.2	13.1	9.84	8.54
1.75V/cell	340.0	228.2	182.2	128.1	90.0	78.6	34.7	18.6	13.4	10.0	8.65
1.70V/cell	353.4	232.9	185.1	129.6	90.9	79.3	35.3	18.9	13.5	10.1	8.74
1.67V/cell	361.7	236.1	188.2	131.5	91.8	79.8	35.4	19.1	13.6	10.3	8.84
1.60V/cell	362.5	238.6	189.5	132.2	92.1	80.2	35.8	19.2	13.7	10.4	8.92

OPzV SERIES-TUBULAR GEL

5OPzV350 (2V350Ah)



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

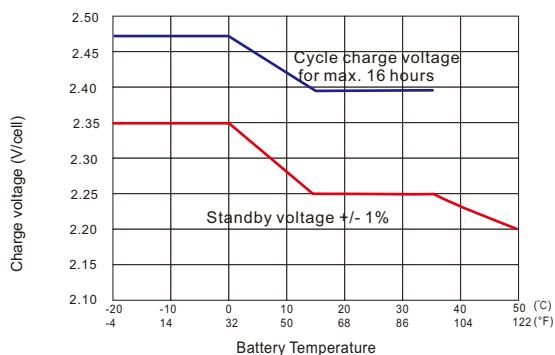
GENERAL FEATURES

- 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

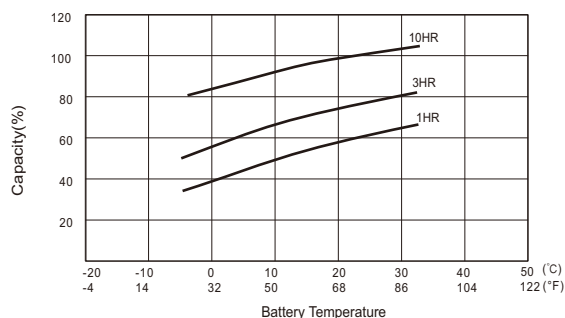
STANDARDS

- Compliance with IEC 60896, IEC 61427, DIN 40742 standards
- UL, CE Approved
- Manufactured in DESA, ISO 45001, ISO 9001 and ISO 14001 certified production facilities

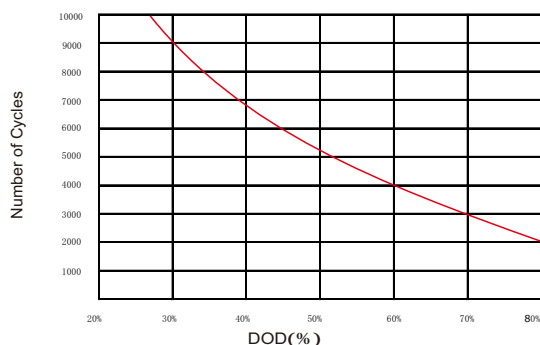
Charge Voltage vs Ambient Temperature Curve



Temperature Effects in Relation to Capacity



Cycle life



Self Discharge Characteristics

