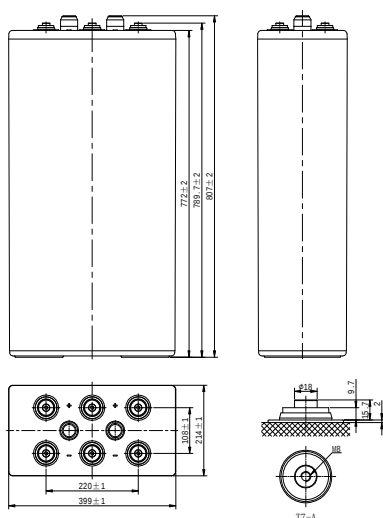




Item	Specifications	
Rated Voltage	2V	
Nominal Capacity (25°C)	C ₁₀ , 1.80V/cell	2000Ah
Dimension	Length	399mm(15.7inches)
	Width	214mm(8.43inches)
	Container Height	772mm(30.4inches)
	Total Height	807mm(31.8inches)
Approx Weight	155.1kg(341.9lbs)	
Terminal	T7-A(M8)	
Container Material	ABS (UL94 HB or V-0 optional)	
Short-circuit current	10000A	
Internal Resistance (25°C)	Approx 0.31 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)	

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	875.9	592.3	477.9	326.9	229.2	202.4	93.5	48.8	35.2	26.7	23.0
1.80V/cell	1002.0	662.0	529.9	369.4	257.0	224.0	99.5	52.2	37.5	28.1	24.3
1.75V/cell	1041.9	685.0	541.9	376.8	261.4	227.8	100.1	53.4	38.4	28.6	24.6
1.70V/cell	1087.4	702.3	552.7	382.3	265.1	230.4	101.7	54.4	38.9	29.1	24.9
1.67V/cell	1115.9	713.8	563.0	388.5	268.2	232.3	102.6	55.0	39.2	29.6	25.3
1.60V/cell	1132.9	725.3	569.6	392.3	270.1	234.2	103.5	55.6	39.4	29.9	25.6
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	1653.7	1133.1	922.9	637.8	452.2	400.5	185.9	97.4	70.4	53.5	46.2
1.80V/cell	1885.8	1263.1	1021.2	719.5	506.6	442.4	197.6	104.0	74.9	56.2	48.8
1.75V/cell	1929.6	1300.8	1040.5	731.8	513.6	448.8	198.4	106.1	76.7	57.2	49.3
1.70V/cell	2005.2	1328.0	1056.8	739.8	518.9	452.9	201.3	108.0	77.4	58.0	49.9
1.67V/cell	2052.1	1346.9	1074.8	750.5	524.0	455.7	202.8	109.0	78.0	58.9	50.4
1.60V/cell	2056.2	1360.7	1082.3	754.7	525.6	458.3	204.0	109.9	78.2	59.5	51.0

OPzV SERIES-TUBULAR GEL

16OPzV2000 (2V2000Ah)



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

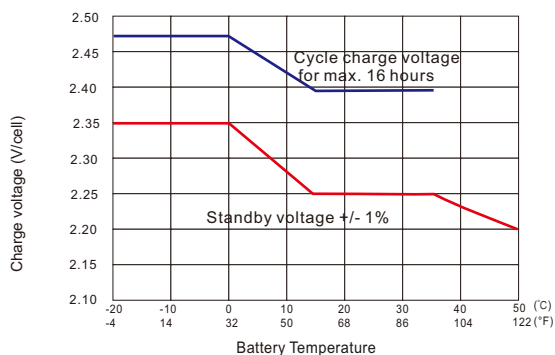
GENERAL FEATURES

- 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

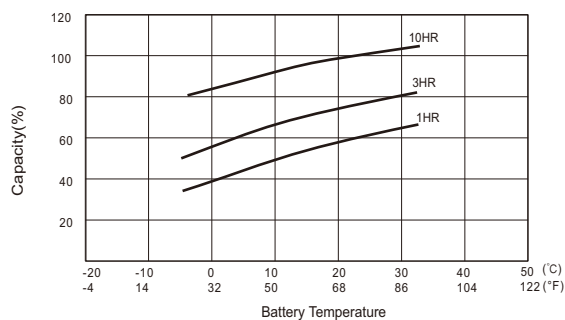
STANDARDS

- 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

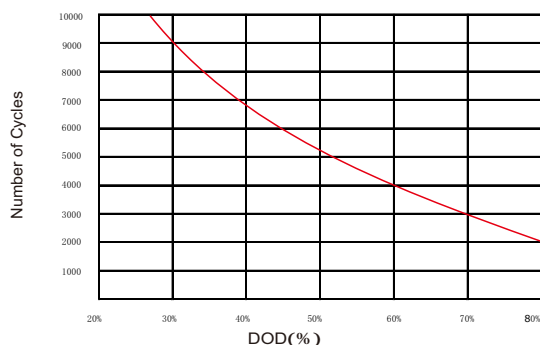
Charge Voltage vs Ambient Temperature Curve



Temperature Effects in Relation to Capacity



Cycle life



Self Discharge Characteristics

