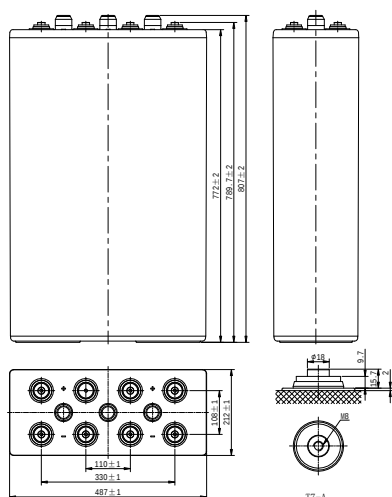


OPzV SERIES-TUBULAR GEL

20OPzV2500 (2V2500Ah)



CHARACTERISTICS

Item	Specifications	
Rated Voltage	2V	
Nominal Capacity (25°C)	C ₁₀ , 1.80V/cell	2500Ah
Dimension	Length	487mm(19.2inches)
	Width	212mm(8.35inches)
	Container Height	772mm(30.4inches)
	Total Height	807mm(31.8inches)
Approx Weight	191kg(421.1lbs)	
Terminal	T7-A(M8)	
Container Material	ABS (UL94 HB or V-0 optional)	
Short-circuit current	12500A	
Internal Resistance (25°C)	Approx 0.25 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	1095.0	740.4	597.4	408.7	286.4	253.0	116.9	61.1	43.9	33.3	28.7
1.80V/cell	1252.5	827.5	662.3	461.7	321.3	280.0	124.3	65.2	46.9	35.1	30.3
1.75V/cell	1302.3	856.3	677.5	471.0	326.7	284.8	125.1	66.7	48.1	35.9	30.8
1.70V/cell	1359.2	877.9	690.9	477.9	331.3	288.0	127.1	68.0	48.5	36.3	31.2
1.67V/cell	1394.8	892.3	703.7	485.7	335.2	290.4	128.3	68.7	48.9	36.9	31.6
1.60V/cell	1416.2	906.7	712.0	490.3	337.6	292.8	129.4	69.6	49.2	37.4	32.0
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	2067.3	1416.4	1153.6	797.4	565.2	500.8	232.4	121.9	87.8	66.7	57.6
1.80V/cell	2357.2	1578.9	1276.3	899.4	633.3	553.0	247.0	130.0	93.7	70.3	60.9
1.75V/cell	2411.9	1626.1	1300.7	914.7	642.0	561.1	247.9	132.7	95.8	71.7	61.7
1.70V/cell	2506.4	1660.1	1321.0	924.7	648.4	566.1	251.6	135.0	96.5	72.4	62.4
1.67V/cell	2565.0	1683.8	1343.4	938.3	655.0	569.8	253.7	136.1	97.3	73.6	63.2
1.60V/cell	2570.4	1701.0	1352.8	943.4	657.0	572.9	255.1	137.4	97.7	74.4	63.6

OPzV SERIES-TUBULAR GEL

20OPzV2500 (2V2500Ah)



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

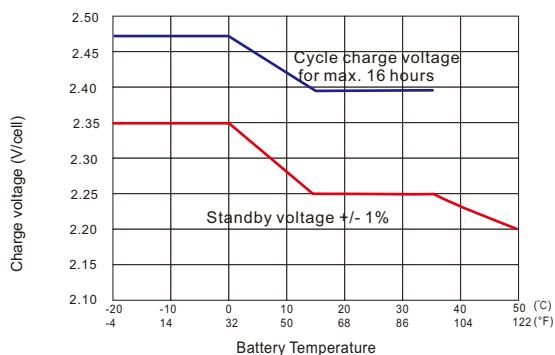
GENERAL FEATURES

- 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

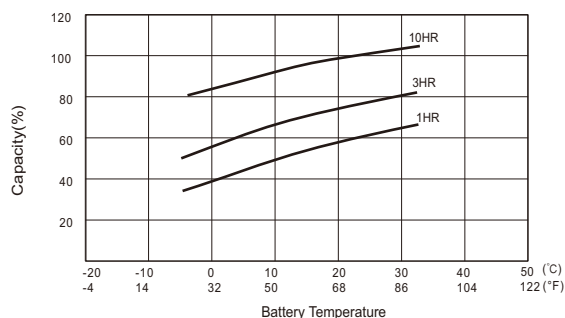
STANDARDS

- 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

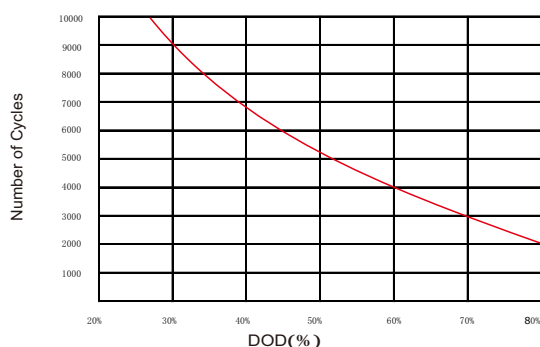
Charge Voltage vs Ambient Temperature Curve



Temperature Effects in Relation to Capacity



Cycle life



Self Discharge Characteristics

