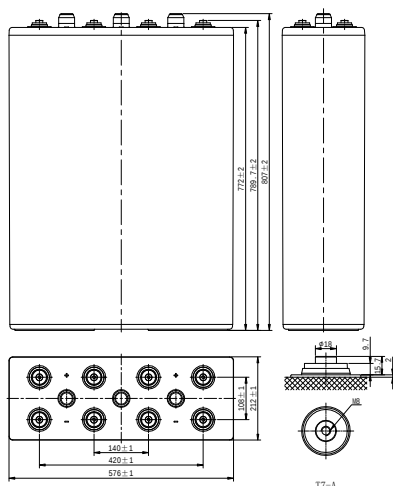


OPzV SERIES-TUBULAR GEL

24OPzV3000 (2V3000Ah)



CHARACTERISTICS

Item	Specifications	
Rated Voltage	2V	
Nominal Capacity (25°C)	C ₁₀ , 1.80V/cell	3000Ah
Dimension	Length	576mm (22.7inches)
	Width	212mm (8.35inches)
	Container Height	772mm (30.4inches)
	Total Height	807mm (31.8inches)
Approx Weight	226.5kg (499.4lbs)	
Terminal	T7-A(M8)	
Container Material	ABS (UL94 HB or V-0 optional)	
Short-circuit current	15000A	
Internal Resistance (25°C)	Approx 0.23 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	1313.9	888.6	716.9	490.4	343.7	303.6	140.2	73.3	52.7	39.9	34.4
1.80V/cell	1503.0	993.0	794.9	554.0	385.6	336.0	149.1	78.3	56.3	42.1	36.5
1.75V/cell	1562.8	1027.5	812.9	565.2	392.0	341.7	150.1	80.0	57.7	43.0	37.0
1.70V/cell	1631.1	1053.4	829.2	573.5	397.7	345.6	152.6	81.6	58.2	43.6	37.5
1.67V/cell	1673.8	1070.7	844.5	582.8	402.3	348.4	153.9	82.5	58.8	44.3	38.0
1.60V/cell	1699.4	1088.0	854.4	588.3	405.1	351.3	155.3	83.4	59.2	44.8	38.4
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	2480.6	1699.8	1384.3	956.7	678.1	600.8	278.8	146.2	105.4	80.0	69.2
1.80V/cell	2828.6	1894.6	1531.7	1079.3	759.9	663.6	296.4	156.1	112.4	84.4	73.3
1.75V/cell	2894.3	1951.2	1560.8	1097.5	770.4	673.2	297.5	159.1	115.0	85.9	74.2
1.70V/cell	3007.7	1992.0	1585.4	1109.7	778.2	679.5	302.0	162.0	115.9	87.0	74.9
1.67V/cell	3078.1	2020.4	1612.2	1125.9	786.1	683.6	304.3	163.5	116.9	88.2	75.9
1.60V/cell	3084.4	2041.1	1623.3	1131.8	788.3	687.6	306.3	164.8	117.4	89.2	76.5

OPzV SERIES-TUBULAR GEL

24OPzV3000 (2V3000Ah)



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

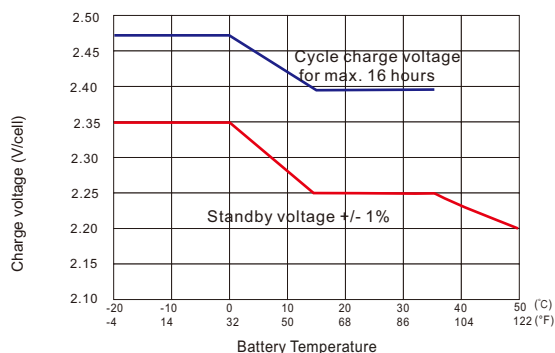
GENERAL FEATURES

- 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

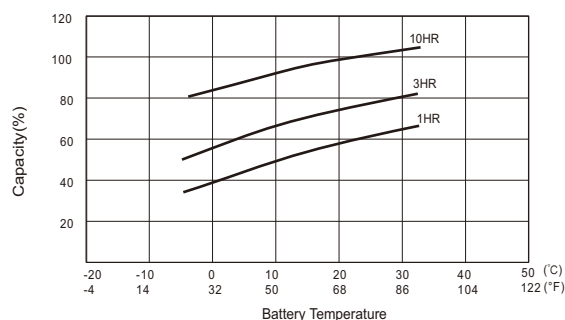
STANDARDS

- 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

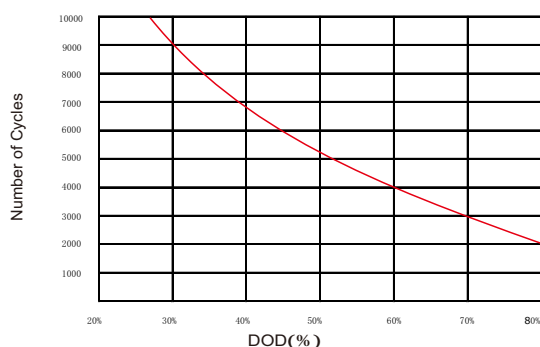
Charge Voltage vs Ambient Temperature Curve



Temperature Effects in Relation to Capacity



Cycle life



Self Discharge Characteristics

