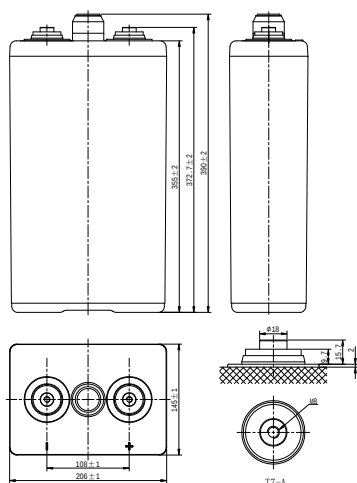


OPzV SERIES-TUBULAR GEL

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	26.4kg (58.2lbs)	
Terminal	T7-A(M8)	
Container Material	ABS (UL94 HB or V-0 optional)	
Short-circuit current	2400A	
Internal Resistance (25°C)	Approx 1 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	134.1	90.7	71.7	49.0	34.4	30.3	14.1	7.33	5.27	3.99	3.44
1.80V/cell	150.3	99.3	79.5	55.4	38.6	33.6	14.9	7.83	5.63	4.21	3.65
1.75V/cell	156.3	102.8	81.3	56.5	39.2	34.2	15.0	8.00	5.77	4.30	3.70
1.70V/cell	163.1	105.3	83.0	57.3	39.7	34.6	15.2	8.16	5.82	4.36	3.75
1.67V/cell	167.4	107.1	84.4	58.3	40.3	34.8	15.4	8.25	5.88	4.43	3.80
1.60V/cell	169.9	108.8	85.5	58.9	40.5	35.2	15.6	8.34	5.92	4.48	3.84
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	254.9	173.9	138.6	95.7	67.9	60.1	28.0	14.6	10.5	8.00	6.92
1.80V/cell	284.8	189.9	153.3	107.9	76.0	66.4	29.6	15.6	11.2	8.44	7.33
1.75V/cell	291.5	195.6	156.2	109.7	77.0	67.3	29.8	15.9	11.5	8.59	7.42
1.70V/cell	302.9	199.5	158.8	111.0	77.8	68.1	30.1	16.2	11.6	8.70	7.49
1.67V/cell	310.0	202.4	161.3	112.7	78.7	68.3	30.5	16.4	11.7	8.82	7.59
1.60V/cell	310.6	204.5	162.6	113.2	78.8	68.8	30.7	16.5	11.7	8.92	7.65

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

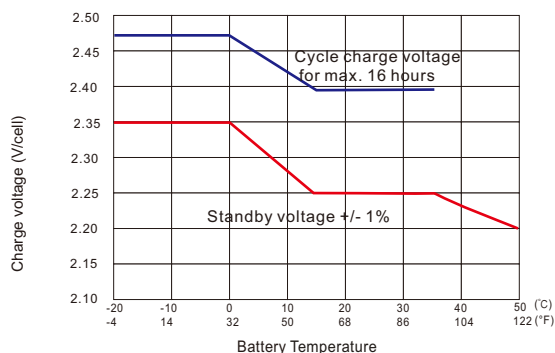
GENERAL FEATURES

- 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

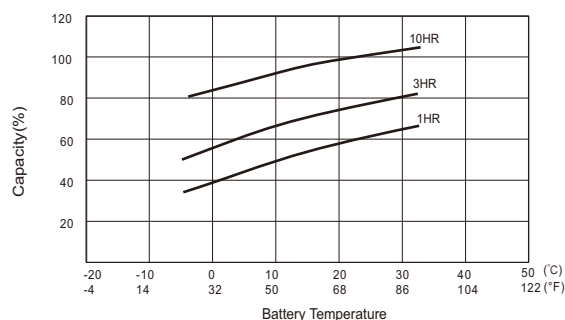
STANDARDS

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

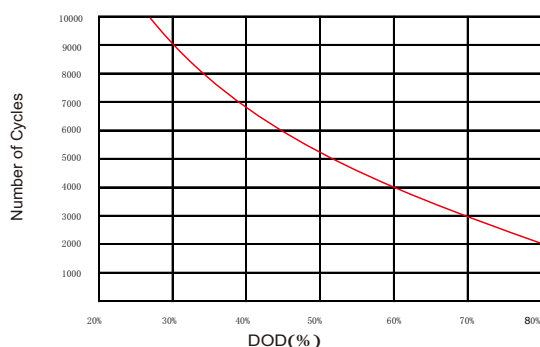
Charge Voltage vs Ambient Temperature Curve



Temperature Effects in Relation to Capacity



Cycle life



Self Discharge Characteristics

