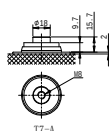
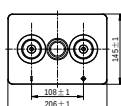
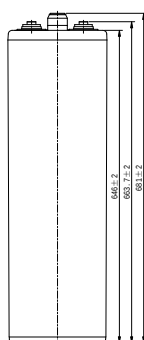


OPzV SERIES-TUBULAR GEL

6OPzV600 (2V600Ah)



T7-A

CHARACTERISTICS

Item	Specifications	
Rated Voltage	2V	
Nominal Capacity (25°C)	C ₁₀ , 1.80V/cell	600Ah
Dimension	Length	145mm (5.71inches)
	Width	206mm (8.11inches)
	Container Height	646mm (25.4inches)
	Total Height	681mm (26.8inches)
Approx Weight	41.5kg (91.5lbs)	
Terminal	T7-A(M8)	
Container Material	ABS (UL94 HB or V-0 optional)	
Short-circuit current	3600.0A	
Internal Resistance (25°C)	Approx 0.71 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	249.3	168.6	133.6	91.4	64.0	56.2	25.9	13.5	9.70	7.30	6.30
1.80V/cell	279.5	184.7	145.3	98.5	68.5	60.0	26.7	14.0	10.0	7.50	6.50
1.75V/cell	290.7	191.1	148.6	100.5	69.7	61.0	26.9	14.3	10.3	7.70	6.60
1.70V/cell	303.3	195.9	151.5	101.9	70.6	61.7	27.4	14.6	10.4	7.80	6.70
1.67V/cell	311.3	199.1	154.4	103.5	71.5	62.2	27.6	14.8	10.5	7.90	6.80
1.60V/cell	316.1	202.3	156.2	104.5	72.0	62.7	27.9	14.9	10.6	8.00	6.90
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	470.7	322.5	258.0	178.3	126.3	111.2	51.5	27.1	19.4	14.8	12.7
1.80V/cell	526.1	352.4	280.0	191.8	135.1	118.6	53.2	28.0	20.1	15.1	13.1
1.75V/cell	538.4	362.9	285.3	195.2	136.9	120.3	53.4	28.5	20.7	15.4	13.3
1.70V/cell	559.4	370.5	289.8	197.2	138.4	121.3	54.3	29.0	20.8	15.6	13.4
1.67V/cell	572.6	375.7	294.8	200.1	139.9	122.2	54.6	29.4	21.0	15.8	13.6
1.60V/cell	573.7	379.6	296.7	201.1	140.3	122.8	55.0	29.5	21.1	16.0	13.7

OPzV SERIES-TUBULAR GEL

6OPzV600 (2V600Ah)



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

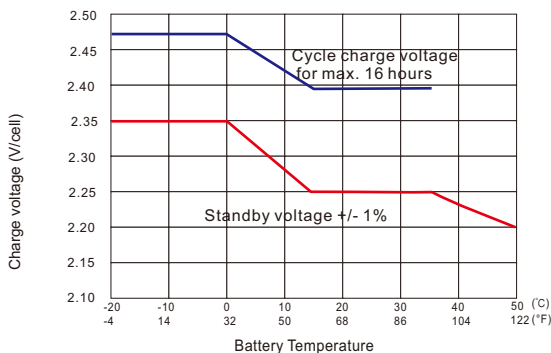
GENERAL FEATURES

- 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

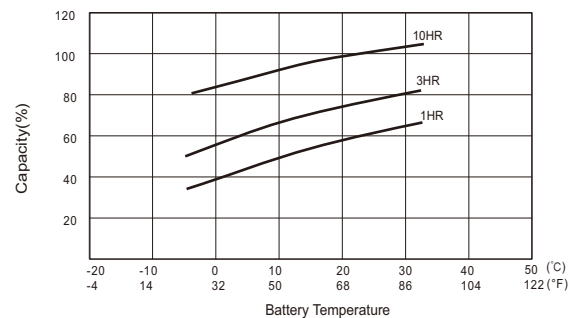
STANDARDS

- Compliance with IEC 60896, IEC 61427, DIN 40742 standards
- UL, CE Approved
- Manufactured in Leoch® IATF 16949, ISO 45001, ISO 9001 and ISO 14001 certified production facilities

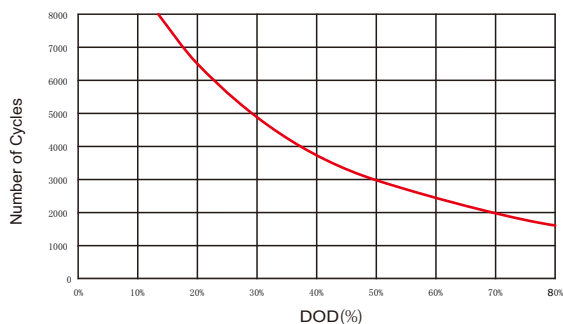
Charge Voltage vs Ambient Temperature Curve



Temperature Effects in Relation to Capacity



Cycle life



Self Discharge Characteristics

