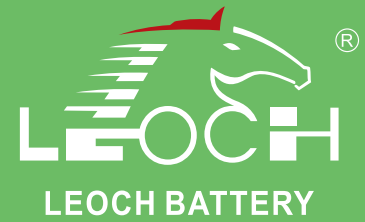




OPzV Series-Tubular Gel

8 OPzV800(2V800Ah)

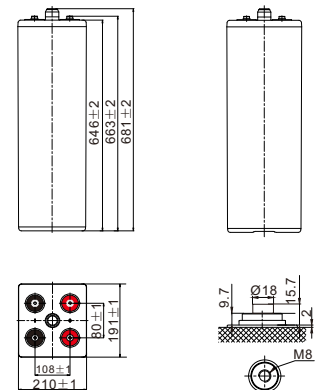


Specifications

Rated Voltage	2V	
Nominal Capacity	800Ah	(C ₁₀ , 1.80V/cell)
Dimension	Length	191mm(7.52 in.)
	Width	210mm(8.27 in.)
	Container Height	646mm(25.43 in.)
	Total Height	681mm(26.81 in.)
Approx Weight	65.1Kg (143.52 lbs)	
Terminal	M8	
Container Material	ABS	
Rated Capacity (25°C)	800.0 Ah	(10hr,80.0A,1.80V/cell)
	697.5 Ah	(5hr,139.5A,1.75V/cell)
	612.0 Ah	(3hr,204.0A,1.75V/cell)
	446.0 Ah	(1hr,446.0A,1.65V/cell)
Max. Discharge Current (5s)	6400A	
Internal Resistance(25°C)	Approx.0.50mΩ	
Operating Temp.Range	Discharge	-20°C~55°C (-4°F~131°F)
	Charge	0°C~40°C (32°F~104°F)
	Storage	-20°C~50°C (-4°F~122°F)
Nominal Operating Temp. Range	25±3°C (77±5°F)	
Max.Charging Current(25°C)	200.0A	
Charge voltage(25°C)	Float	2.25V
	Temp. Coefficient	-3mV/cell/°C
	Cycle(Equalization)	2.35~2.40V
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	



Layout



Constant Current Discharge (Amperes) at 25 °C (77 °F)

F.V/Time	10min	15min	30min	1h	2h	3h	5h	8h	10h	20h
1.85V/cell	545	518	446	356	236	185	127.0	89.0	74.9	39.3
1.80V/cell	671	627	520	401	259	202	136.8	95.2	80.0	42.0
1.75V/cell	794	702	554	418	267	204	139.5	96.8	81.3	42.7
1.70V/cell	891	766	587	434	273	208	141.6	98.0	82.2	43.2
1.65V/cell	956	809	610	446	279	212	143.1	99.2	83.0	43.6
1.60V/cell	1001	838	626	454	283	216	145.2	100.2	83.6	43.9

Constant Power Discharge (Watts/cell) at 25 °C (77 °F)

F.V/Time	10min	15min	30min	1h	2h	3h	5h	8h	10h	20h
1.85V/cell	1014	973	853	689	459	360.9	249.0	176.4	149.0	78.2
1.80V/cell	1226	1162	984	771	502	391.9	268.5	188.4	159.0	83.5
1.75V/cell	1425	1282	1038	798	513	395.9	272.9	191.4	161.0	84.5
1.70V/cell	1571	1379	1088	823	524	401.9	276.1	193.4	163.0	85.6
1.65V/cell	1657	1435	1120	841	532	407.9	278.1	195.4	164.0	86.1
1.60V/cell	1701	1464	1137	850	536	412.8	280.3	197.8	165.0	86.6



OPzV Series-Tubular Gel

8 OPzV800(2V800Ah)



Applications

- Telecommunications
- Radio and cellular telephone relay stations
- Emergency lighting systems
- Power stations, Conventional power stations, alternative power (solar, wind)
- Large UPS and computer back-up
- Railway signaling
- Maritime standby power on ships and ashore
- Process and control engineering
- Standby power
- Buoy lighting

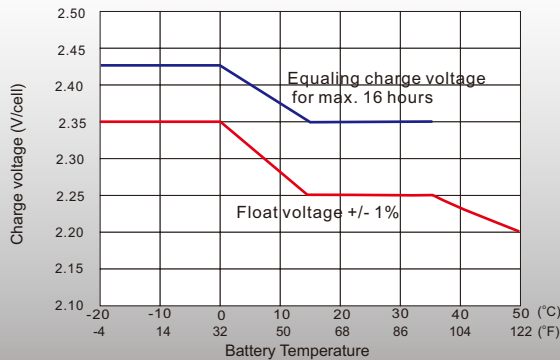
General Features

- 20 years design life (20°C)
- Better recovery performance
- Wide working temperature range (-20~55°C)
- No electrolyte stratification provides longer service life
- High recombination efficient
- Built in copper core based in lead will carry large current
- Separator imported from AMER-SIL high porosity, PVC-SiO₂ and low resistance
- Pasted negative plate special grid design increase the active material, availability large current discharge and charge ability
- Tubular type positive plate (polyester tube) prevent the active material from falling. Multi metal alloy pressed positive grid increase the anti corrosion ability and service life

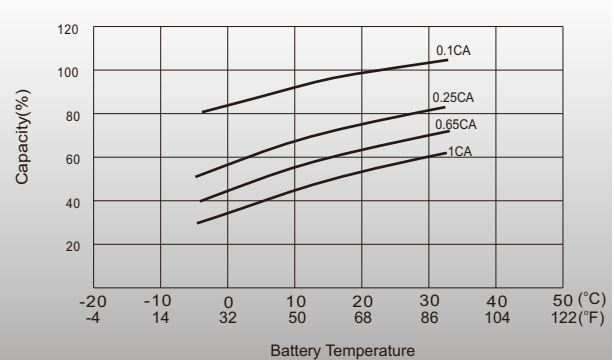
Standards

- Compliance with IEC 60896, IEC 61427, DIN 40742 standards
- UL, CE Certified
- Manufactured in Leoch@IATF16949, ISO 45001, ISO 9001 and ISO 14001 certified production facilities

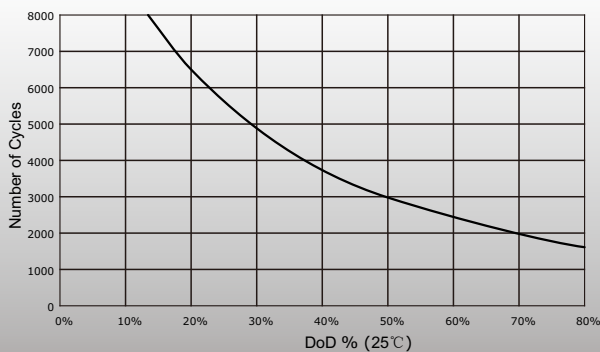
Charge voltage vs ambient temperature curve



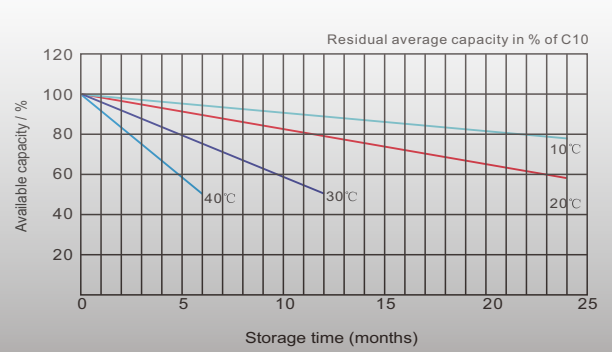
Temperature effects in relation to battery capacity



Cycle Life in Relation to DOD



General Relation of Capacity VS. Storage Time



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