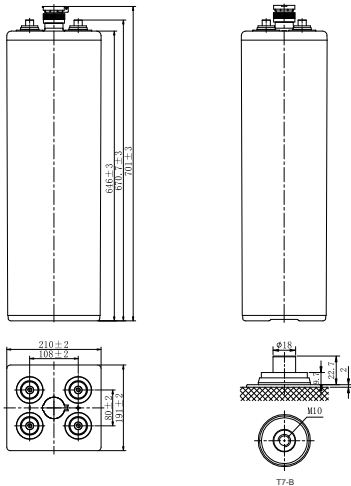


OPzS SERIES-FLOODED BATTERY

8OPzS800 (2V800Ah)



CHARACTERISTICS

Item	Specifications	
Rated Voltage	2V	
Nominal Capacity (20°C)	C ₁₀ , 1.80V/cell	800Ah
Dimension	Length	191mm (7.52inches)
	Width	210mm (8.27inches)
	Container Height	646mm (25.4inches)
	Total Height	701mm (27.6inches)
Approx Weight	62.9kg (138.7lbs)	
Dry Weight	46.9kg (103.4lbs)	
Terminal	T7-B(M10)	
Container Material	SAN transparent container	
Short-circuit current	4800A	
Internal Resistance (20°C)	Approx 0.45 mΩ (Fully charged)	
Operating Temp. Range	Discharge	-15~55°C (5~131°F)
	Charge	0~45°C (32~113°F)
	Storage	-15~45°C (5~113°F)
Nominal Operating Temp. Range	25±5°C (77±9°F)	
Max.Charging Current (20°C)	0.15C	
Charge voltage (20°C)	Standby Use	Cycle Use
	2.23-2.25V/cell	2.40-2.45V/cell
Temp. Coefficient	-3mV/cell/°C	-5mV/cell/°C
	40°C (104°F)	103%
Effect of temp. to Capacity	20°C (68°F)	100%
	0°C (32°F)	86%
	Self Discharge	≤4% per month at 20°C

DISCHARGE TABLE

Constant Current Discharge (Amperes) at 20°C (68°F)													
F.V/Time	1h	2h	3h	4h	5h	6h	8h	10h	20h	24h	72h	100h	120h
1.85V/cell	317.6	232.0	178.7	147.9	127.7	112.1	91.4	76.6	42.0	35.2	12.6	9.50	8.14
1.80V/cell	371.2	255.6	195.2	159.9	136.2	119.1	96.1	80.0	43.7	36.6	13.1	9.89	8.47
1.75V/cell	403.2	272.0	205.6	167.0	142.1	123.6	98.8	81.8	44.6	37.4	13.4	10.1	8.65
1.70V/cell	424.8	284.0	212.3	172.2	146.0	126.6	100.5	83.2	45.3	/	/	/	/
1.65V/cell	441.6	290.8	218.7	176.2	149.2	129.1	102.3	84.6	46.0	/	/	/	/
1.60V/cell	456.8	297.6	222.4	178.8	151.2	130.9	103.6	85.6	46.4	/	/	/	/
Constant Power Discharge (Watts/cell) at 20°C (68°F)													
F.V/Time	1h	2h	3h	4h	5h	6h	8h	10h	20h	24h	72h	100h	120h
1.85V/cell	594.3	437.6	338.7	281.5	244.0	215.4	176.3	148.5	81.9	68.7	24.6	18.5	15.9
1.80V/cell	684.5	476.8	366.1	301.2	258.2	226.9	184.0	153.8	84.4	70.8	25.4	19.1	16.4
1.75V/cell	734.1	502.9	382.7	312.7	268.0	234.1	188.2	156.4	85.6	71.8	25.7	19.4	16.6
1.70V/cell	766.2	521.3	392.6	320.8	274.0	239.1	190.7	158.3	86.7	/	/	/	/
1.65V/cell	790.6	531.5	402.5	327.2	278.9	242.9	193.3	160.4	87.6	/	/	/	/
1.60V/cell	811.0	541.2	407.3	330.4	281.3	245.1	194.8	161.5	88.0	/	/	/	/

OPzS SERIES-FLOODED BATTERY

8OPzS800 (2V800Ah)



APPLICATIONS

- Telecommunications
- Buoy lighting
- Standby power
- Railway signalling
- Emergency lighting systems
- Alternative power (solar, wind)
- Maritime standby power on ships and ashore

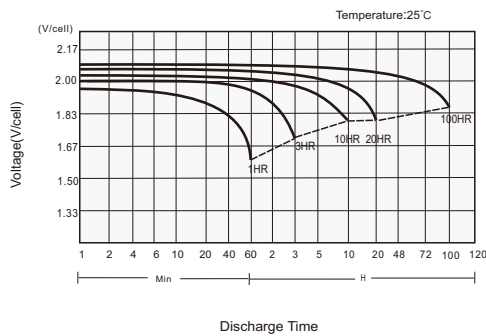
GENERAL FEATURES

- 20 years design life (20°C)
- Positive electrodes-die-cast tubular plates with low antimony lead alloy for longer life
- Sransparent SAN Containers to allow electrolyte level and cell condition to be monitored visually
- Excellent standby and cycling behaviour - long life

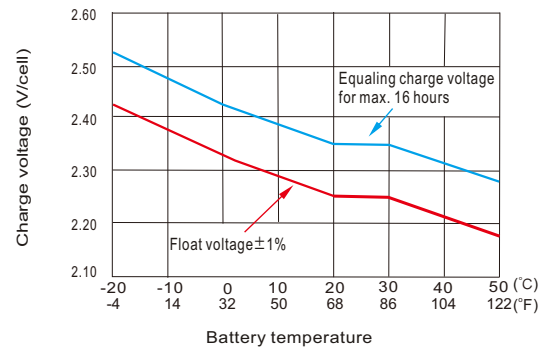
STANDARDS

- Acc.to IEC60896, DIN 40736 standards
- Manufactured in Leoch®IATF 16949, ISO 45001, ISO 9001 and ISO 14001 certified production facilities

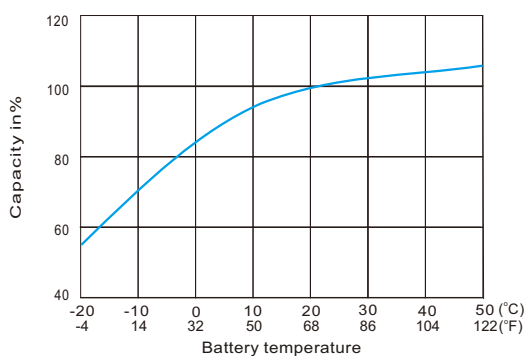
Discharge Characteristics



Charge Voltage vs Ambient Temperature Curve



Discharge Capacity vs Ambient Temperature Curve (I₁₀A)



Self Discharge Characteristics

