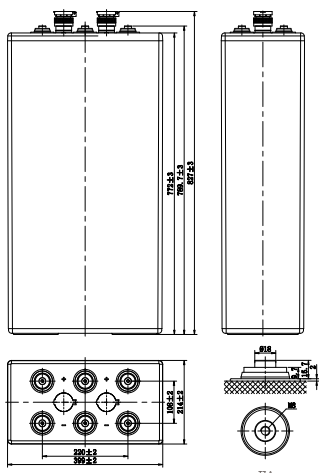


OPzS SERIES-FLOODED BATTERY

16OPzS2000 (2V2000Ah)



CHARACTERISTICS

Item		Specifications
Rated Voltage		2V
Nominal Capacity (20°C)		C ₁₀ 1.80V/cell 2000Ah
Dimension	Length	399mm(15.7inches)
	Width	214mm(8.43inches)
	Container Height	772mm(30.4inches)
	Total Height	827mm(32.6inches)
Approx Weight		143.5kg(316.4lbs)
Dry Weight		101kg(222.7lbs)
Terminal		T7-A(M8)
Container Material		SAN transparent container
Short-circuit current		10000A
Internal Resistance (20°C)		Approx 0.43 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	674.8	510.4	419.8	358.6	309.6	276.0	221.6	189.5	106.0	89.4	32.5	24.8	21.3
1.80V/cell	807.3	594.2	473.2	395.6	335.2	296.2	236.6	200.0	110.3	93.0	33.8	25.8	22.1
1.75V/cell	922.3	666.4	503.6	417.4	348.0	302.8	242.0	204.4	113.0	94.9	34.5	26.4	22.6
1.70V/cell	998.2	681.6	520.0	426.0	357.6	311.6	246.2	208.0	114.8	/	/	/	/
1.65V/cell	1032.2	697.8	535.8	436.0	365.4	316.2	250.6	211.5	116.6	/	/	/	/
1.60V/cell	1062.0	714.2	544.8	442.4	370.4	320.6	253.8	214.0	117.7	/	/	/	/
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	1262.5	962.6	795.5	682.4	591.3	529.9	427.4	367.4	206.1	174.0	63.3	48.4	41.5
1.80V/cell	1488.6	1108.1	887.2	744.9	634.8	564.2	452.6	384.6	212.7	179.5	65.3	50.0	42.8
1.75V/cell	1679.5	1232.1	937.2	781.3	656.3	573.5	460.7	391.0	216.8	182.3	66.3	50.7	43.5
1.70V/cell	1800.7	1250.7	961.4	793.2	671.2	587.9	467.0	395.6	219.2	/	/	/	/
1.65V/cell	1847.6	1275.5	985.8	809.2	682.9	594.7	473.6	401.2	221.8	/	/	/	/
1.60V/cell	1885.0	1299.1	997.5	817.1	688.9	600.1	477.1	404.0	223.0	/	/	/	/

OPzS SERIES-FLOODED BATTERY

16OPzS2000 (2V2000Ah)



APPLICATIONS

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

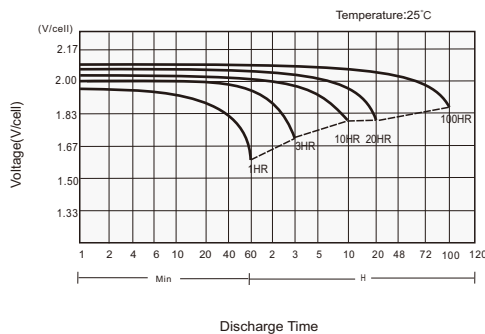
GENERAL FEATURES

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

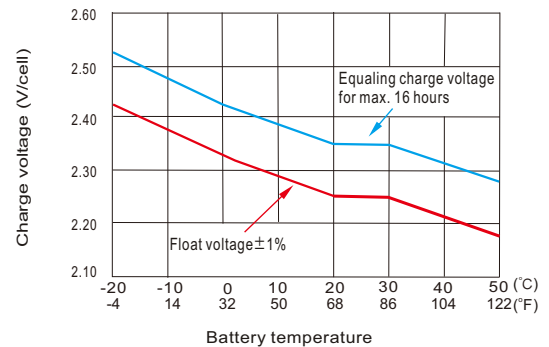
STANDARDS

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

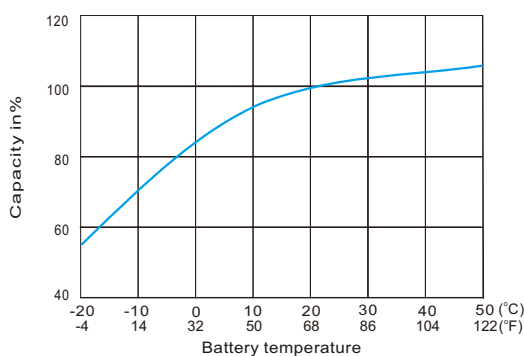
Discharge Characteristics



Charge Voltage vs Ambient Temperature Curve



Discharge Capacity vs Ambient Temperature Curve (I₁₀ A)



Self Discharge Characteristics

