



OPzS Series-Flooded Battery

6V 40PzS200(6V200Ah)

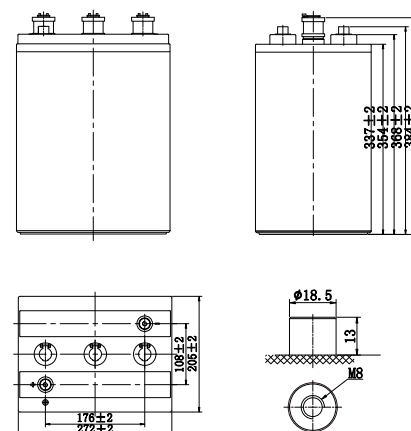


Specifications

Rated Voltage	6V	
Nominal Capacity	$C_{10}, 1.80V/cell$	200.0Ah
Dimension	Length	272±2mm (10.7 inches)
	Width	205±2mm (8.07 inches)
	Container Height	337±3mm (13.27 inches)
	Total Height	384±3mm (15.12 inches)
Approx Weight	Without Electrolyte	35.0kg (77.2lbs)
	With Electrolyte	46.0 kg (101.4lbs)
Terminal	M8	
Container Material	SAN transparent container	
Rated Capacity (25°C)	200.0 Ah	(10hr, 20.0A, 1.80V/cell)
	165.0 Ah	(5hr, 33.0A, 1.75V/cell)
	141.0 Ah	(3hr, 47.0A, 1.75V/cell)
	107.4 Ah	(1hr, 107.4A, 1.60V/cell)
Max. Discharge Current	1600A (5s)	
Internal Resistance (25°C)	Approx 2.88mΩ	
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±3°C (77±5°F)	
Cycle Use	Initial Charging Current less than 0.1CA. Voltage	
	2.35V~2.40V at 20°C(68°F)Temp. Coefficient -3mV/°C	
Standby Use	Initial Charging Current less than 0.1CA. Voltage	
	2.25V~2.30V at 20°C(68°F)Temp. Coefficient -2mV/°C	
Effect of temp. to Capacity	40°C (104°F)	103%
	25°C (77°F)	100%
	0°C (32°F)	86%
Self Discharge	≤4% per month at 25°C	



Layout



Constant Current Discharge (Amperes) at 20 °C (68°F)

F.V/Time	15min	30min	1h	2h	3h	4h	5h	8h	10h	20h
1.85V/cell	147.4	117.3	82.0	53.3	41.6	34.5	29.8	21.9	18.6	10.0
1.80V/cell	173.7	130.2	88.6	57.6	44.5	36.8	31.8	23.4	20.0	10.7
1.75V/cell	198.4	140.9	94.2	61.1	47.0	38.6	33.0	24.1	20.4	10.8
1.70V/cell	216.0	150.6	99.2	63.6	48.7	40.1	34.3	24.8	20.7	11.0
1.65V/cell	231.0	158.4	104.0	65.4	49.7	40.9	35.0	25.2	21.0	11.1
1.60V/cell	243.9	164.9	107.4	67.5	50.9	41.6	35.7	25.5	21.4	11.3

Constant Power Discharge (Watts/cell) at 20 °C (68°F)

F.V/Time	15min	30min	1h	2h	3h	4h	5h	8h	10h	20h
1.85V/cell	278.7	225.0	159.0	104.1	81.5	67.7	58.7	43.2	36.8	19.8
1.80V/cell	322.0	245.6	169.4	111.2	86.2	71.2	61.7	45.8	39.1	20.9
1.75V/cell	362.8	262.5	177.7	116.1	89.6	73.7	63.3	46.4	39.2	20.9
1.70V/cell	389.9	277.9	185.5	119.9	92.0	76.0	65.2	47.3	39.6	21.0
1.65V/cell	411.7	288.7	192.7	122.2	93.3	76.9	66.1	47.7	39.9	21.1
1.60V/cell	427.0	296.0	196.3	124.5	94.2	77.1	66.3	47.6	39.9	21.1



OPzS Series-Flooded Battery

6V 4OPzS200(6V200Ah)



Applications

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

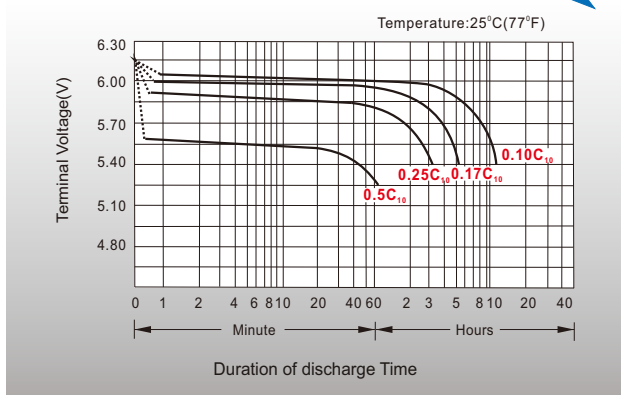
General Features

- 20 years design life(25°C)
- Lower self discharge
- Higher thermal capacity, no thermal runaway will occur
- Superior deep cycle performance
- Wide operation temperature range

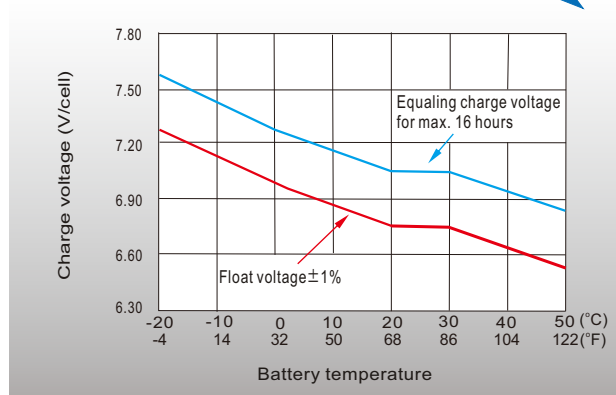
Standards

- Compliance with IEC60896 standards
- Manufactured in Leoch@IATF 16949, ISO 45001, ISO 9001 and ISO 14001 certified production facilities

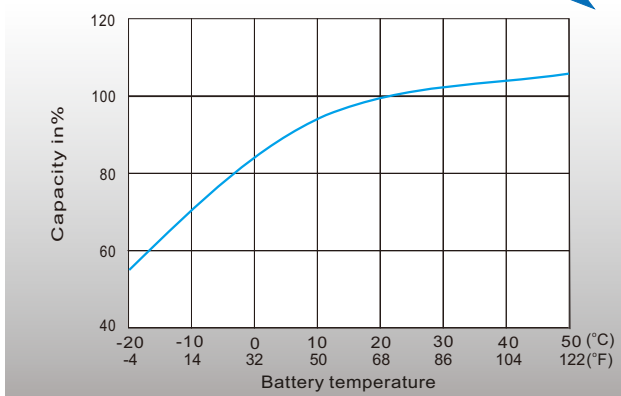
Discharge Characteristics



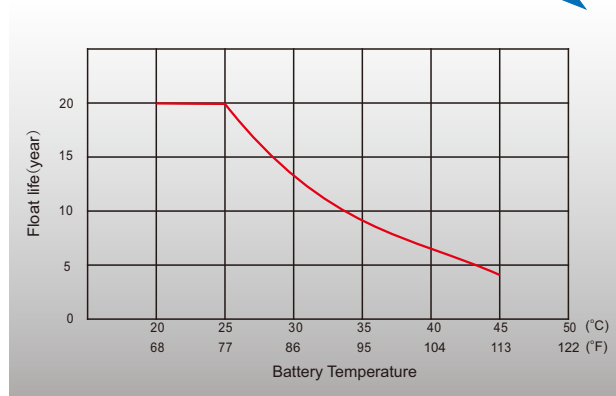
Charge voltage Vs ambient temperature curve



Discharge capacity Vs Ambient temperature curve (I10A)



Float Service Life



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