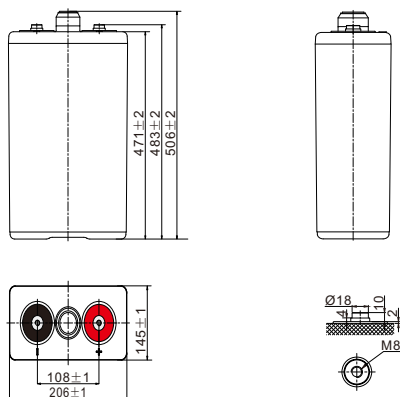




Layout



Specification

Nominal Voltage	2V	
Rated Capacity	470.0Ah	(C ₁₀ , 1.80V/cell)
Dimension	Length	145mm(5.71 in.)
	Width	206mm(8.11 in.)
	Container Height	471mm(18.54 in.)
	Total Height (with Terminal)	506mm(19.92 in.)
Approx Weight	34.5Kg (76.06 lbs)	
Terminal	M8	
Container Material	ABS	
Capacity	470 Ah	(10hr, 47.0A, 1.80V/cell)
	384 Ah	(5hr, 76.8A, 1.75V/cell)
	340.2 Ah	(3hr, 113.4A, 1.75V/cell)
	253.8 Ah	(1hr, 253.8A, 1.67V/cell)
Max. Discharge Current	3360A (5s)	
Internal Resistance	Approx 0.53 mΩ	
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°C±3°C (77°F±5°F)	
Cycle Use(25°C)	Charging Current	≤105.0A
	Charging Voltage	2.35V~2.40V
Standby Use (25°C)	Charging Current	≤105.0A
	Charging Voltage	2.25V
Self Discharge	Temp. Coefficient	-3mV/cell/°C
		≤3% per month at 25°C

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

F. V/Time	10min	15min	30min	1h	2h	3h	5h	8h	10h
1.85V/cell	329.0	303.0	248.0	197.4	132.3	102.1	69.8	52.0	44.0
1.80V/cell	405.0	367.0	289.0	222.6	146.0	111.3	75.4	55.7	47.0
1.75V/cell	479.0	411.0	308.0	231.0	149.1	113.4	76.8	56.7	47.8
1.70V/cell	537.0	449.0	342.3	247.3	157.7	118.8	80.2	57.3	48.4
1.67V/cell	577.0	474.0	356.0	253.8	160.9	121.0	81.4	58.0	48.8
1.60V/cell	604.0	490.0	364.4	258.1	163.1	123.1	82.3	58.6	49.2

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

F. V/Time	10min	15min	30min	1h	2h	3h	5h	8h	10h
1.85V/cell	612.0	570.0	473.0	381.2	257.3	199.5	137.6	103.0	87.6
1.80V/cell	740.0	680.0	546.0	427.4	281.4	216.3	148.1	110.2	93.4
1.75V/cell	860.0	751.0	576.0	441.0	287.7	219.5	150.2	111.8	94.8
1.70V/cell	948.0	808.0	634.2	468.7	302.4	230.0	156.6	113.1	95.6
1.67V/cell	1,000.0	840.0	652.1	478.4	306.7	233.3	157.7	114.2	96.5
1.60V/cell	1,026.0	857.0	662.6	483.8	308.9	234.4	158.8	114.2	97.0

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

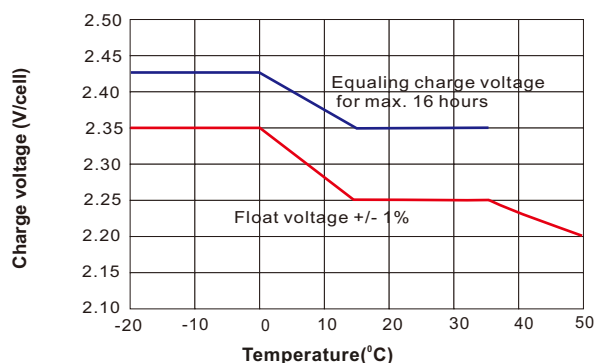
General Features

- Better recovery performance
- Wide working temperature range (-20~50)°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

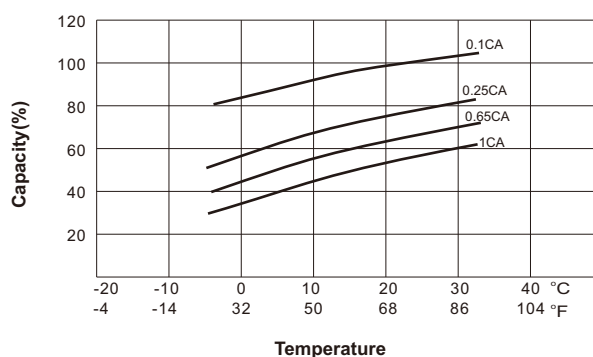
- IEC 60896 Certified
- Classified as "Very Long Life" according to Eurobat
- UL Certified
- Manufactured in Leoch® TS16949, ISO 9001 and ISO 14001 certified production facilities

Charge voltage vs ambient temperature curve

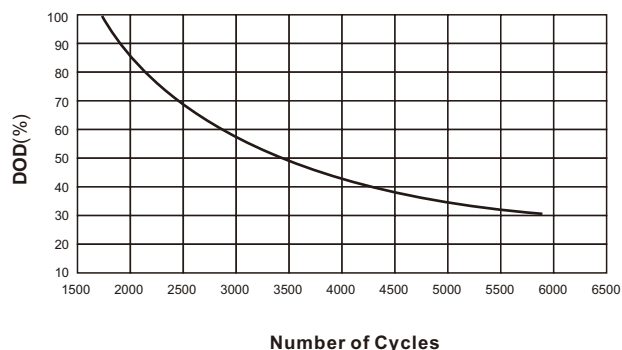


For continuous charging we recommend a voltage of 2.25 V. The charging voltage must be compensated to the curve for accontinously different battery ambient temperature.

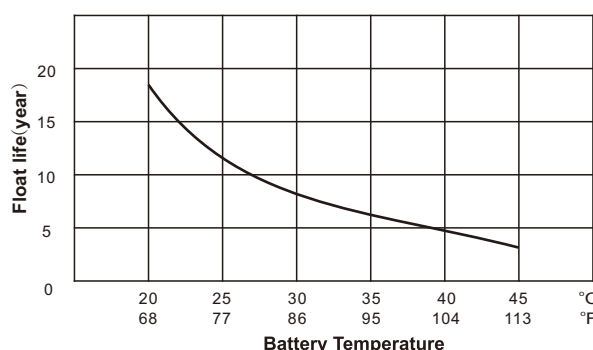
Temperature Effects in Relation to Battery Capacity



Cycle Life



Float Life



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