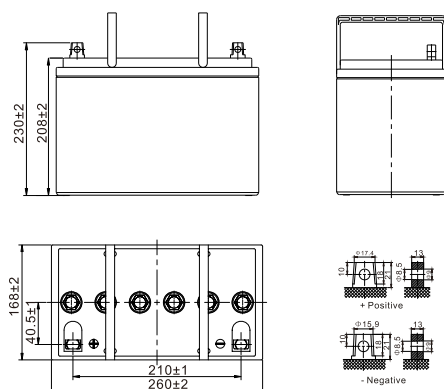




## Layout



## Specification

Nominal Voltage	12V	
Rated Capacity	64.8Ah	(C <sub>10</sub> , 1.80V/cell)
Dimension	Length	260mm(10.24 in.)
	Width	168mm(6.61 in.)
	Container Height	208mm(8.19 in.)
	Total Height (with Terminal)	230mm(9.06 in.)
Approx Weight	23.7Kg (52.25 lbs)	
Terminal	T14(Torque11~14.7Nm)	
Container Material	ABS	
Capacity	64.8 Ah	(10hr,6.48A,1.80V/cell)
	56.5 Ah	(5hr,11.3A,1.75V/cell)
	48.9 Ah	(3hr,16.3A,1.75V/cell)
	38.4 Ah	(1hr,38.4A,1.67V/cell)
Max. Discharge Current	480A (5s)	
Internal Resistance	Approx9.6 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	≤15.0A
	Charging Voltage	2.34V~2.40V
Standby Use (25°C)	Charging Current	≤15.0A
	Charging Voltage	2.25V
	Temp. Coefficient	-3mV/cell/°C
Self Discharge	≤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	57.9	51.1	38.2	29.3	18.6	14.2	10.1	7.32	6.19
1.80V/cell	69.6	59.0	42.8	32.1	20.1	15.2	10.6	7.65	6.48
1.75V/cell	79.9	65.9	48.4	35.2	21.7	16.3	11.3	7.84	6.61
1.70V/cell	87.2	71.6	51.8	37.2	22.5	17.0	11.7	7.97	6.67
1.65V/cell	95.4	76.8	54.2	38.4	23.2	17.6	11.9	8.10	6.80
1.60V/cell	101.8	81.2	56.2	39.5	24.1	17.9	12.2	8.23	6.93

### 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	95.3	87.6	72.8	57.0	36.3	27.7	20.0	14.5	12.4
1.80V/cell	115.2	104.4	81.8	62.3	39.2	29.6	20.9	15.1	12.9
1.75V/cell	133.9	115.2	91.6	67.8	42.1	31.9	22.2	15.6	13.2
1.70V/cell	147.6	124.1	97.1	71.3	43.4	32.9	22.8	15.8	13.3
1.65V/cell	155.5	129.1	100.6	73.2	44.6	33.9	23.2	16.0	13.5
1.60V/cell	159.6	131.8	98.3	73.0	44.6	33.6	23.1	16.3	13.7

## 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

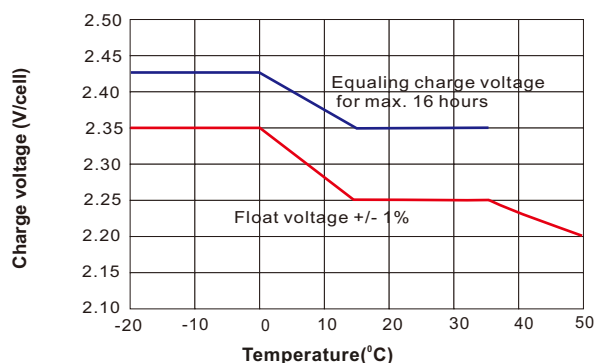
## General Features

- 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-SiO<sub>2</sub> 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

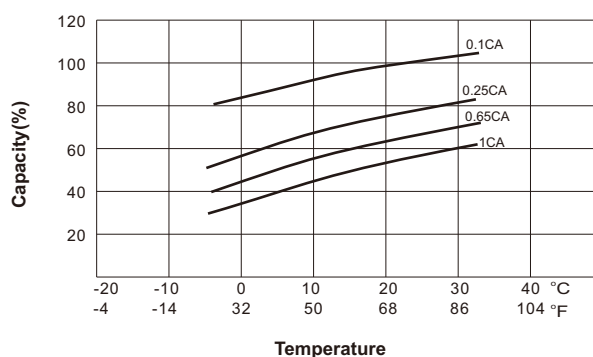
- IEC 60896 Certified
- Classified as "Very Long Life" according to Eurobat
- UL Certified
- Manufactured in Leoch® TS16949, ISO 9001 and ISO 14001 certified production facilities

### Charge voltage vs ambient temperature curve

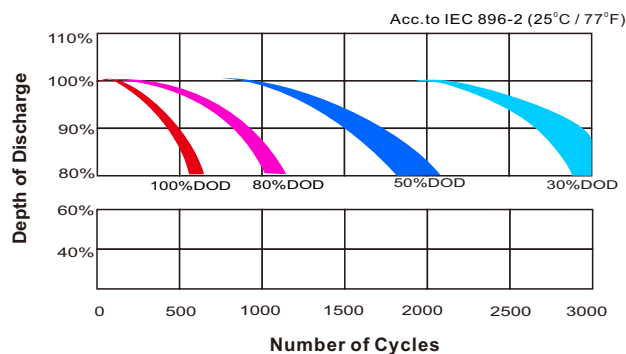


For continuous charging we recommend a voltage of 2.25 V. The charging voltage must be compensated to the curve for a continuously different battery ambient temperature.

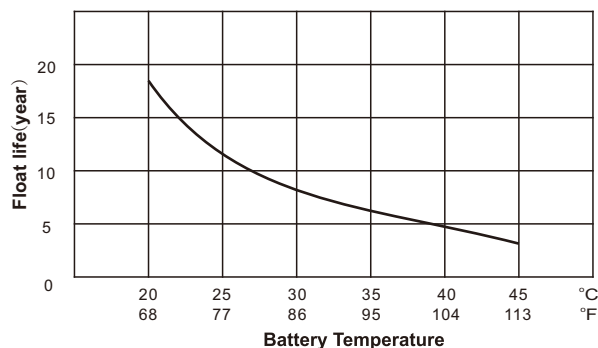
### Temperature Effects in Relation to Battery Capacity



### Cycle Life in Relation to Depth of Discharge



### Float Life



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