

### Specifications

Nominal Voltage	2V	
Nominal Capacity (10HR)	2000AH	
Dimension	Length	490mm (19.29 inches)
	Width	350mm (13.78 inches)
	Height	339mm (13.35 inches)
	Total Height (with Terminal)	349mm (13.74 inches)
	Approximate Weight	125.0 kg (275.6 lbs)
Battery Type	Valve Regulated Lead-Acid Battery, AGM Design	
Terminal Type	IT	
Rated Capacity	2134.0AH	(20hr, 1.80V/cell, 25°C/77°F)
	2000.0AH	(10hr, 1.80V/cell, 25°C/77°F)
	1775.0AH	(5hr, 1.75V/cell, 25°C/77°F)
	1544.1AH	(3hr, 1.75V/cell, 25°C/77°F)
	1201.3AH	(1hr, 1.60V/cell, 25°C/77°F)
Max. Discharge Current	16000A	
Internal Resistance	0.28mΩ	
Operating Temp. Range	Discharge:	-15°C (5°F)~50°C (122°F)
	Charge:	0°C (32°F)~40°C (104°F)
	Storage:	-15°C (5°F)~40°C (104°F)
Nominal Operating Temp. Range	25±3°C (77±5°F)	
Container Material	ABS (Option: 94-HB & 94-V0 flame retardant case)	
Capacity affected by Temperature	40°C (104°F)	103%
	25°C (77°F)	100%
	0°C (32°F)	86%
Self Discharge	SigmasTek SPL series batteries may be stored for up to 6 months at 25°C (77°F) and then a freshening charge is recommended. For higher temperatures the time interval will be shorter.	



### Applications

- Tele - communication central station (wired or cellular)
- Military communication
- Data and television signal transmission
- UPS
- EPS



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

F.V. (V/cell) \ Discharge Time	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.60V	/	1480.1	1201.3	740.0	552.0	443.7	374.1	324.0	257.5	210.4	110.3
1.65V	1876.8	1441.3	1173.7	726.0	542.7	437.6	368.8	319.6	253.8	207.4	109.5
1.70V	1789.2	1381.2	1132.9	703.0	530.7	428.4	361.1	314.2	250.0	205.0	108.4
1.75V	1705.2	1331.0	1094.6	676.0	514.7	419.2	355.0	308.7	245.8	202.6	107.2
1.80V	1610.2	1265.9	1049.0	650.0	498.0	405.5	344.4	301.6	241.0	200.0	106.7
1.85V	1500.7	1203.2	1003.2	622.0	474.7	388.1	330.5	288.7	231.0	192.6	103.0

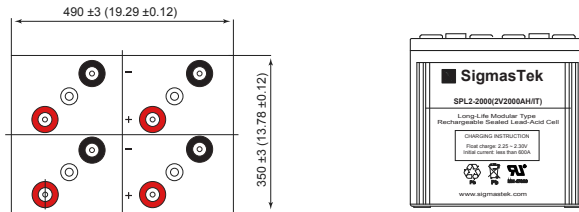
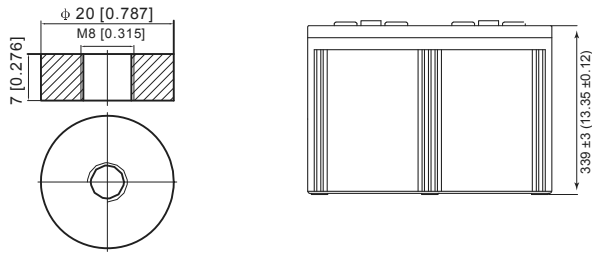
### Constant Power Discharge (Watts Per Cell) at 25°C (77°F)

F.V. (V/cell) \ Discharge Time	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.60V	/	2749.2	2259.6	1406.0	1056.6	854.1	723.7	630.9	505.5	415.7	218.3
1.65V	3475.1	2702.5	2223.0	1388.0	1044.2	846.1	716.3	624.2	499.1	410.4	217.0
1.70V	3337.7	2604.3	2158.1	1349.8	1025.6	831.1	703.7	615.4	493.0	406.4	215.1
1.75V	3208.0	2527.4	2096.1	1303.4	998.50	816.6	693.8	605.7	485.1	401.9	212.9
1.80V	3052.5	2417.8	2017.8	1258.3	968.70	792.5	675.4	593.5	476.8	397.2	212.1
1.85V	2868.0	2313.4	1940.5	1209.9	927.60	761.2	651.0	570.4	458.4	383.1	205.2

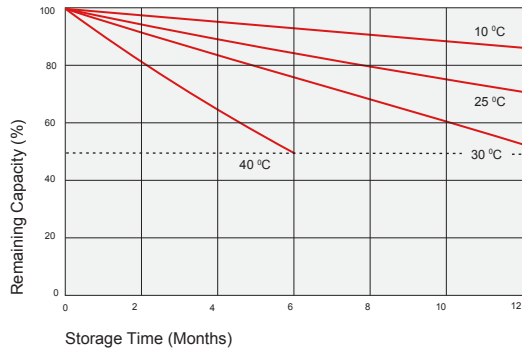
## Dimensions

### IT Terminal

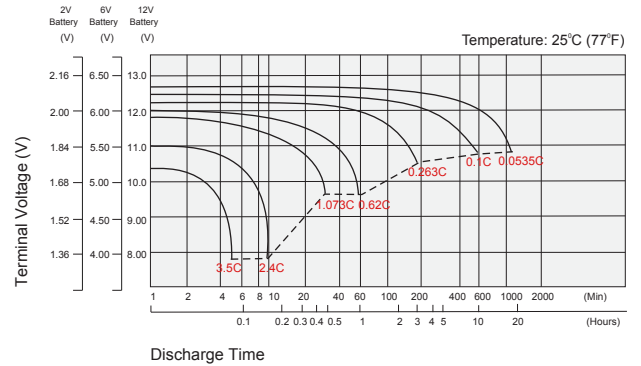
Unit: mm (inches)



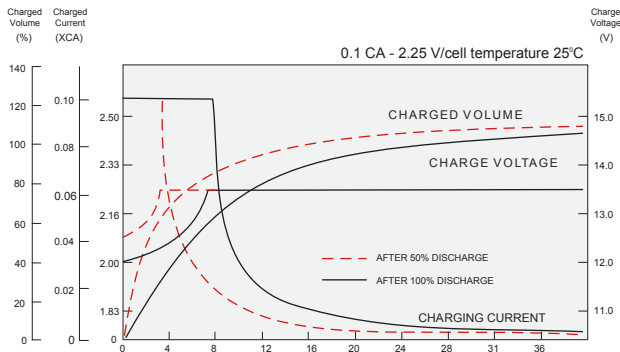
## Self Discharge Characteristics



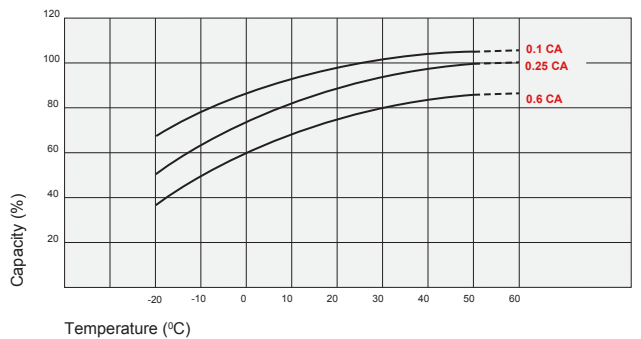
## Discharge Characteristics



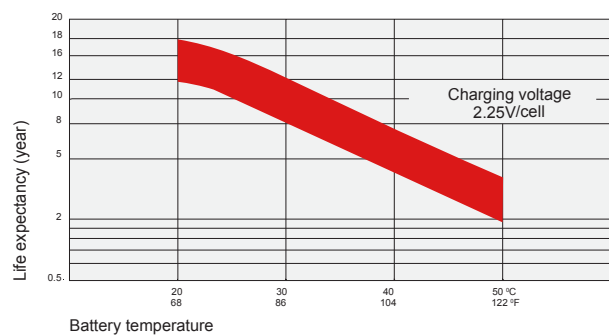
## Float Charging Characteristics



## Temperature Effects in Relation to Battery Capacity



## Temperature Effects on Long Term Float Life



## Contact Information

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