

### Specifications

Nominal Voltage	2V	
Nominal Capacity (10HR)	600AH	
Dimension	Length	300mm (11.81 inches)
	Width	175mm (6.89 inches)
	Height	330mm (12.99 inches)
	Total Height (with Terminal)	350mm (13.78 inches)
	Approximate Weight	38.2 kg (84.2 lbs)
Battery Type	Valve Regulated Lead-Acid Battery, AGM Design	
Terminal Type	IT	
Rated Capacity	640.0AH	(20hr, 1.80V/cell, 25°C/77°F)
	600.0AH	(10hr, 1.80V/cell, 25°C/77°F)
	532.5AH	(5hr, 1.75V/cell, 25°C/77°F)
	463.2AH	(3hr, 1.75V/cell, 25°C/77°F)
	360.4AH	(1hr, 1.60V/cell, 25°C/77°F)
Max. Discharge Current	4800A	
Internal Resistance	0.55mΩ	
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	582.3	444.0	360.4	222.0	165.6	133.1	112.2	97.2	77.3	63.1	33.1
1.65V	563.0	432.4	352.1	217.8	162.8	131.3	110.6	95.9	76.1	62.2	32.9
1.70V	536.7	414.4	339.9	210.9	159.2	128.5	108.3	94.2	75.0	61.5	32.5
1.75V	511.6	399.3	328.4	202.8	154.4	125.8	106.5	92.6	73.7	60.8	32.2
1.80V	483.1	379.8	314.7	195.0	149.4	121.6	103.3	90.5	72.3	60.0	32.0
1.85V	450.2	361.0	301.0	186.6	142.4	116.4	99.1	86.6	69.3	57.8	30.9

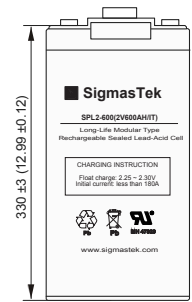
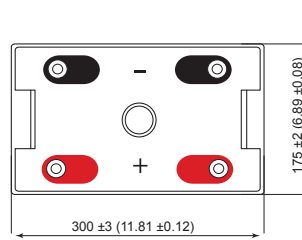
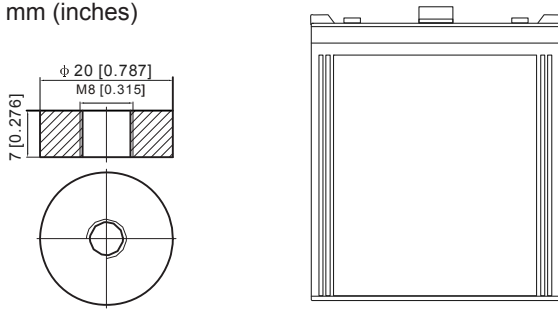
### Constant Power Discharge (Watts Per Cell) at 25°C (77°F)

F.V. (V/cell) \ Discharge Time	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.60V	1067.4	824.8	677.9	421.8	317.0	256.2	217.1	189.3	151.6	124.7	65.5
1.65V	1042.5	810.8	666.9	416.4	313.3	253.8	214.9	187.3	149.7	123.1	65.1
1.70V	1001.3	781.3	647.4	404.9	307.7	249.3	211.1	184.6	147.9	121.9	64.5
1.75V	962.4	758.2	628.8	391.0	299.5	245.0	208.1	181.7	145.5	120.6	63.9
1.80V	915.8	725.3	605.3	377.5	290.6	237.8	202.6	178.1	143.0	119.2	63.6
1.85V	860.4	694.0	582.1	363.0	278.3	228.4	195.3	171.1	137.5	114.9	61.5

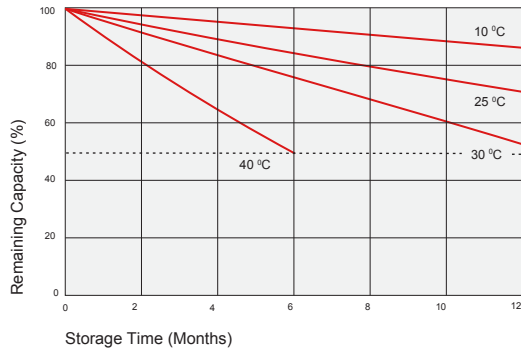
## Dimensions

### IT Terminal

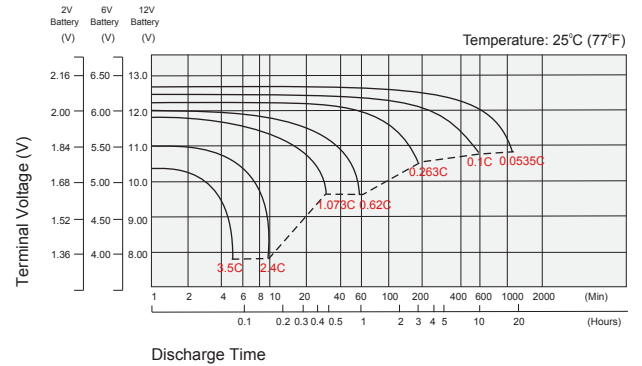
Unit: mm (inches)



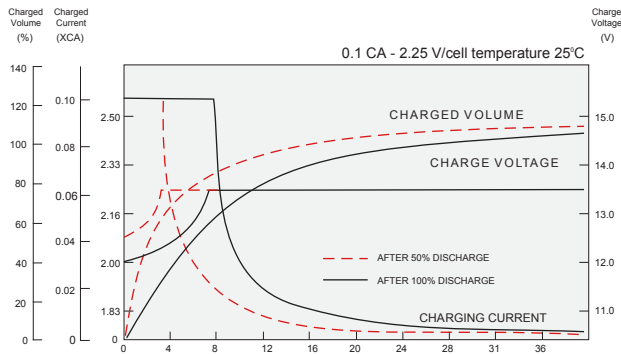
## Self Discharge Characteristics



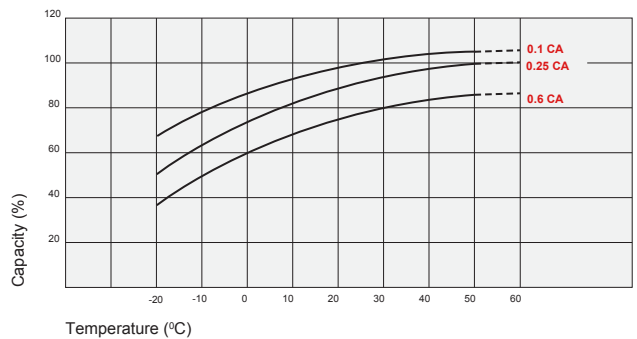
## Discharge Characteristics



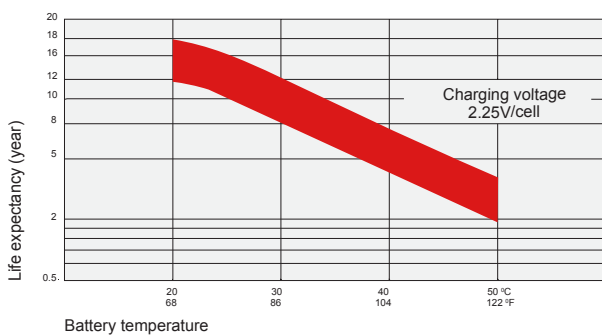
## Float Charging Characteristics



## Temperature Effects in Relation to Battery Capacity



## Temperature Effects on Long Term Float Life



## Contact Information

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