

### Specifications

Nominal Voltage	6V	
Nominal Capacity (20HR)	60AH	
Dimension	Length	185 mm (7.28 inches)
	Width	112 mm (4.41 inches)
	Height	205 mm (8.07 inches)
	Total Height (with Terminal)	205 mm (8.07 inches)
	Approximate Weight	9.1 kg (20.1 lbs)
Battery Type	Valve Regulated Lead-Acid Battery, AGM Design	
Terminal Type	T2	
Rated Capacity	63.0AH	(20hr, 1.75V/cell, 25°C/77°F)
	60.6AH	(10hr, 1.75V/cell, 25°C/77°F)
	51.5AH	(5hr, 1.75V/cell, 25°C/77°F)
	51.6AH	(3hr, 1.60V/cell, 25°C/77°F)
	36.6AH	(1hr, 1.60V/cell, 25°C/77°F)
Max. Discharge Current	750A	
Internal Resistance	7mΩ	
Operating Temp. Range	Discharge:	-20°C (-4°F)~50°C (5~122°F)
	Charge:	-20°C (-4°F)~50°C (5~122°F)
	Storage:	-20°C (-4°F)~40°C (5~104°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 SP 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

- Uninterruptible Power Supply (UPS)
- Electric wheelchairs, scooters, bikes
- Electronic apparatus and equipment
- Alarm and security systems
- Emergency first responder equipment
- Emergency lighting
- Medical devices
- Electric carts
- Telecom equipment
- Switchgear
- Solar power systems



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

F.V. (V/cell) \ Discharge Time	5min	10min	15min	30min	1h	2h	3h	5h	8h	10h	20h
1.60V	208.2	144.8	110.0	64.8	36.6	22.5	17.2	11.2	7.44	6.31	3.27
1.65V	188.7	133.3	102.9	61.4	35.3	21.8	16.7	10.9	7.37	6.25	3.25
1.70V	171.1	123.5	96.70	58.2	34.2	21.2	16.1	10.6	7.25	6.12	3.21
1.75V	155.4	113.4	90.60	55.9	33.2	20.4	15.6	10.3	7.15	6.06	3.15
1.80V	137.8	103.2	83.00	53.9	31.7	19.7	15.3	10.1	7.03	6.00	3.12
1.85V	102.7	80.70	68.70	45.6	28.3	18.0	14.2	9.38	6.63	5.66	3.09

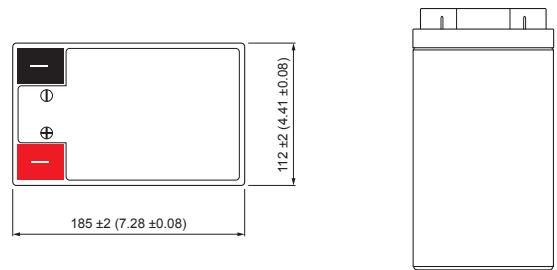
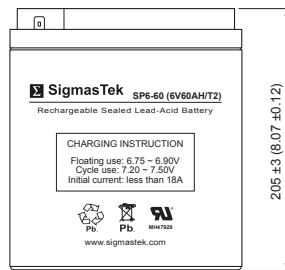
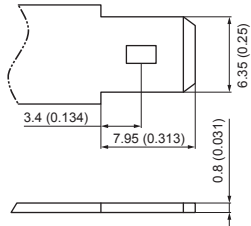
### Constant Power Discharge (Watts Per Cell) at 25°C (77°F)

F.V. (V/cell) \ Discharge Time	5min	10min	15min	30min	1h	2h	3h	5h	8h	10h	20h
1.60V	345.1	246.0	192.5	118.2	68.8	42.7	32.9	21.7	14.5	12.4	6.44
1.65V	320.2	231.9	183.0	112.7	66.8	41.6	32.1	21.1	14.4	12.3	6.41
1.70V	294.6	216.9	173.5	107.7	65.1	40.7	30.9	20.6	14.2	12.1	6.34
1.75V	275.2	203.6	164.8	104.1	63.3	39.2	30.1	20.1	14.0	12.0	6.22
1.80V	249.3	188.3	152.7	101.1	60.8	37.9	29.7	19.7	13.8	11.8	6.17
1.85V	187.8	149.1	128.1	87.0	54.6	35.0	27.8	18.4	13.1	11.2	6.12

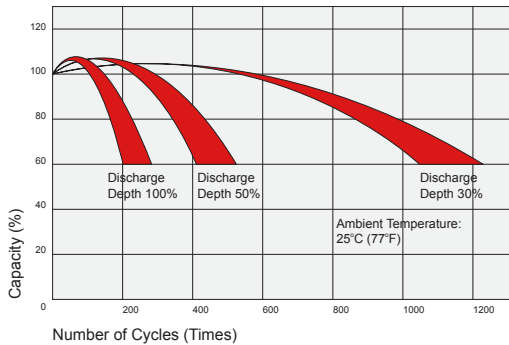
## Dimensions

### T2 Terminal

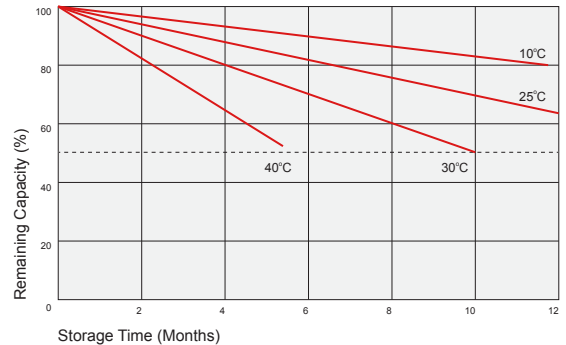
Unit: mm (inches)



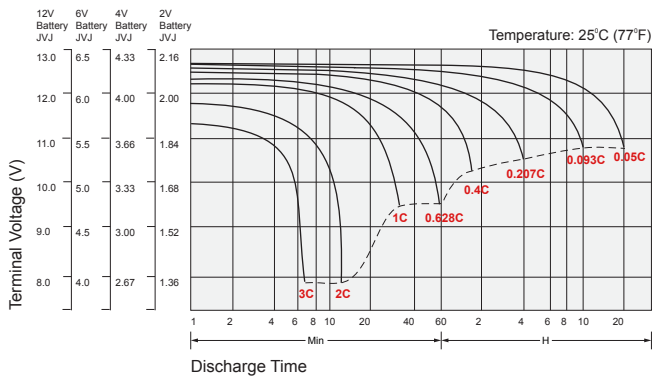
## Cycle Service Life



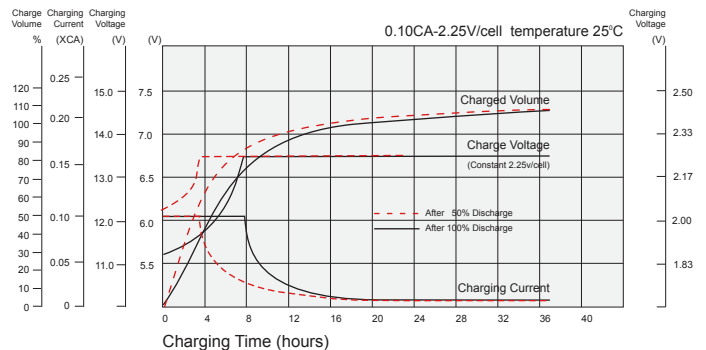
## Self Discharge Characteristics



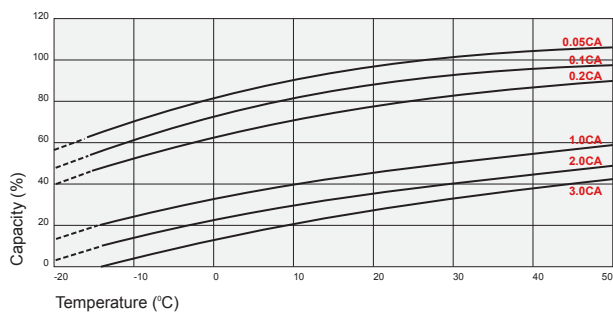
## Discharge Characteristics



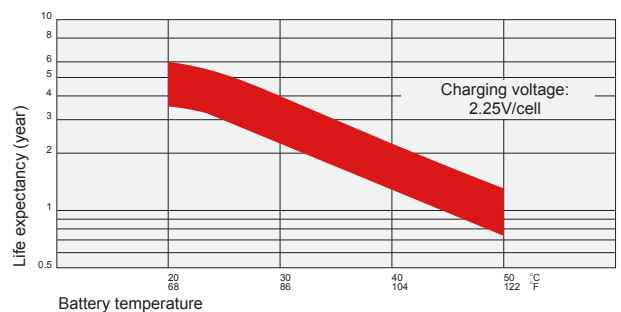
## Float Charging Characteristics



## Temperature Effects in Relation to Battery Capacity



## Temperature Effects on Long Term Float Life



## Contact Information

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