

**Specification**

Nominal Voltage	12V	
Nominal Capacity(20HR)	30.0AH	
Dimension	Length	195±2mm (7.68 inches)
	Width	130±2mm (5.12 inches)
	Container Height	164±2mm (6.46 inches)
	Total Height (with Terminal)	178±2mm (7.01 inches)
Terminal	T5	
Container Material	ABS	
Rated Capacity	30.0 AH/1.50A	(20hr, 1.80V/cell, 25°C/77°F)
	27.0 AH/2.70A	(10hr, 1.75V/cell, 25°C/77°F)
	24.0 AH/4.80A	(5hr, 1.75V/cell, 25°C/77°F)
	20.1 AH/6.69A	(3hr, 1.75V/cell, 25°C/77°F)
	17.1 AH/17.1A	(1hr, 1.67V/cell, 25°C/77°F)
Max. Discharge Current	300A (5s)	
Internal Resistance	Approx 14.6mΩ	
Operating Temp.Range	Discharge : -20 ~55°C (-4 ~131°F)	
	Charge : 0 ~40°C (32 ~104°F)	
	Storage : -20 ~50°C (-4 ~122°F)	
Nominal Operating Temp. Range	25±3°C (77 ±5°F)	
Cycle Use	Initial Charging Current less than 7.5A.Voltage	
	14.4V~15.0V at 25°C(77°F)Temp. Coefficient -30mV/°C	
Standby Use	No limit on Initial Charging Current Voltage	
	13.5V~13.8V at 25°C(77°F)Temp. Coefficient -20mV/°C	
Capacity affected by Temperature	40°C (104°F)	103%
	25°C (77°F)	100%
	0°C (32°F)	86%
Self Discharge	GEL series batteries may be stored for up to 9 months	
	at 25°C(77°F) and then a freshening charge is required. For higher temperatures the time interval will be shorter.	


**Applications**

- ◆ Telecommunications
- ◆ Solar system
- ◆ Wind power system
- ◆ Wheelchair
- ◆ Floor cleaning machines
- ◆ Golf trolley
- ◆ Boats


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

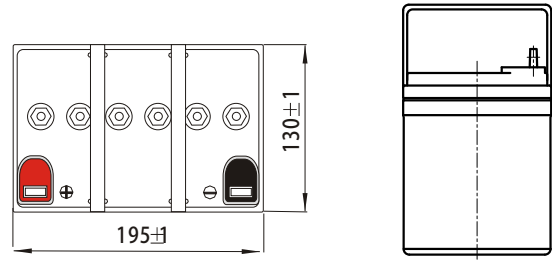
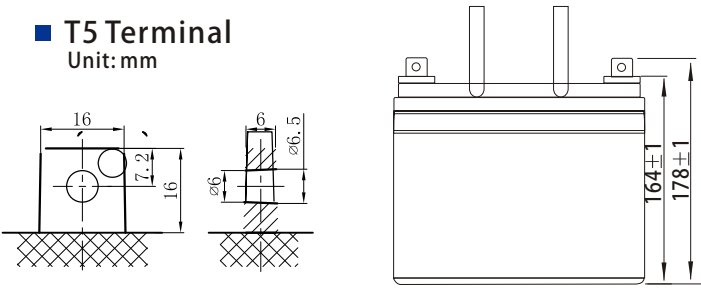
F.V/Time	20min	30min	45min	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	20h
1.85V/cell	25.4	19.9	15.2	13.2	8.07	6.15	5.09	4.40	3.80	3.36	3.03	2.77	2.53	1.44
1.80V/cell	29.1	22.3	16.8	14.6	8.73	6.59	5.40	4.62	3.99	3.52	3.18	2.91	2.65	1.50
1.75V/cell	32.7	24.5	18.1	15.6	9.26	6.96	5.66	4.80	4.13	3.64	3.28	3.00	2.70	1.53
1.70V/cell	35.2	26.2	19.2	16.5	9.81	7.25	5.84	4.95	4.27	3.76	3.38	3.08	2.76	1.55
1.67V/cell	36.6	27.2	19.9	17.1	10.1	7.48	5.99	5.05	4.34	3.82	3.43	3.12	2.80	1.56
1.60V/cell	39.7	29.2	21.4	18.2	10.5	7.78	6.21	5.21	4.45	3.90	3.49	3.19	2.85	1.59

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

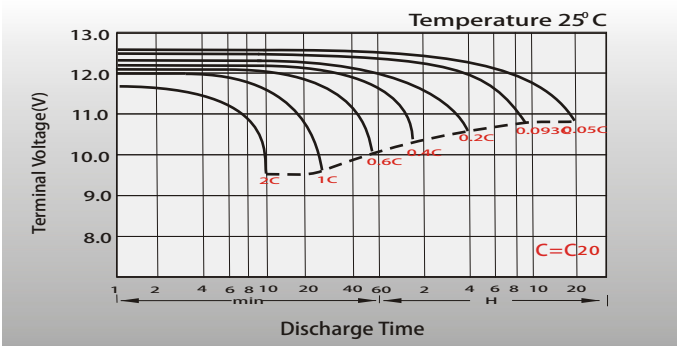
F.V/Time	20min	30min	45min	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	20h
1.85V/cell	48.6	38.4	29.5	25.7	15.8	12.0	10.0	8.68	7.52	6.67	6.03	5.52	5.05	2.87
1.80V/cell	54.9	42.5	32.3	28.2	17.0	12.9	10.6	9.09	7.87	6.96	6.30	5.79	5.27	2.99
1.75V/cell	61.0	46.3	34.6	30.0	17.9	13.6	11.0	9.41	8.12	7.19	6.49	5.96	5.37	3.05
1.70V/cell	65.0	49.2	36.5	31.6	18.9	14.1	11.4	9.68	8.39	7.42	6.67	6.11	5.49	3.08
1.67V/cell	66.9	50.5	37.5	32.6	19.3	14.5	11.6	9.85	8.50	7.50	6.76	6.17	5.54	3.11
1.60V/cell	71.7	53.6	40.0	34.4	20.0	15.0	12.0	10.1	8.68	7.64	6.86	6.29	5.64	3.15

## Dimensions

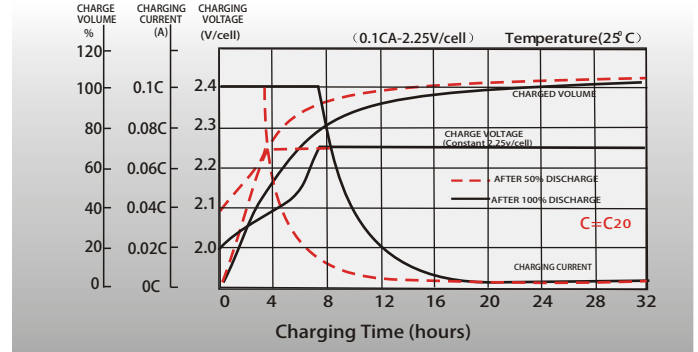
### T5 Terminal Unit: mm



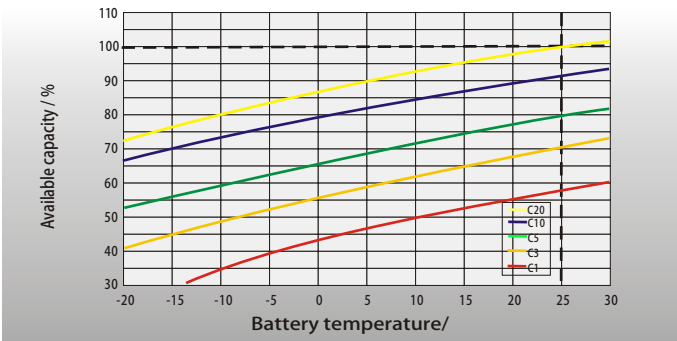
## Discharge Characteristics



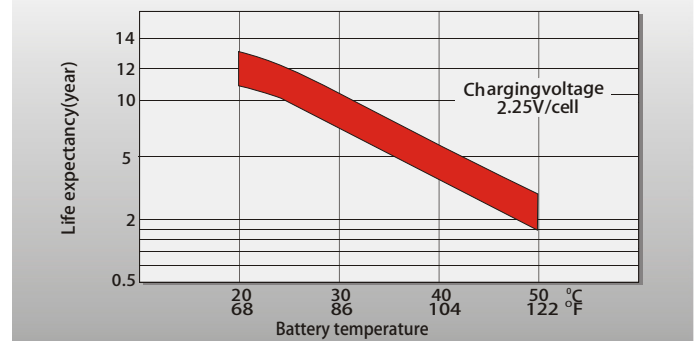
## Float Charging Characteristics



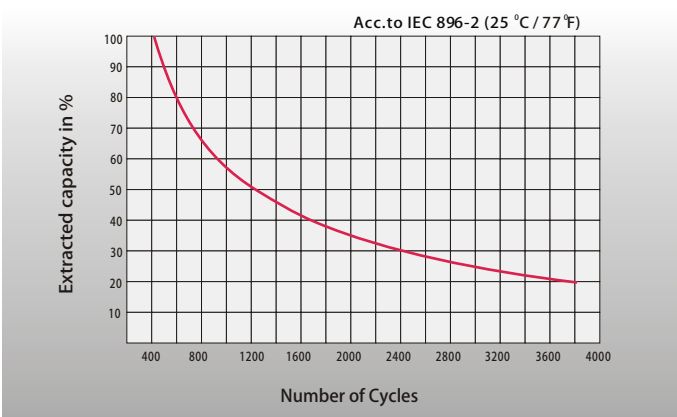
## Temperature Effects in Relation to Battery Capacity



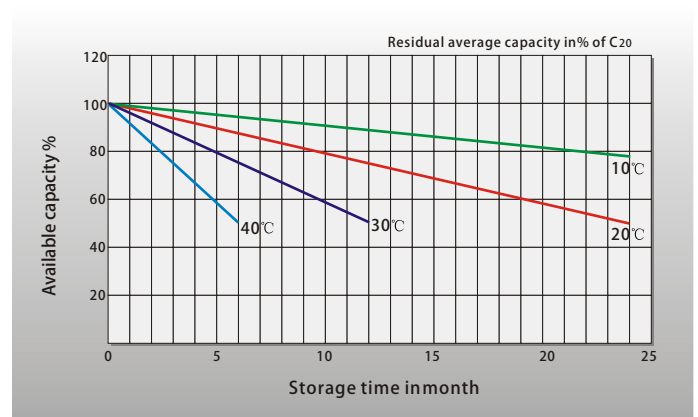
## Effect of Temperature on Long Term Float Life



## Cycle Life in Relation to Depth of Discharge



## General Relation of Capacity VS. Storage Time



## Contact US

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