

Specification

Nominal Voltage	12V	
Nominal Capacity(20HR)	17.0AH	
Dimension	Length	181.5±2mm (7.15 inches)
	Width	77±1mm (3.03 inches)
	Container Height	167.5±2mm (6.59 inches)
	Total Height (with Terminal)	167.5±2mm (6.59 inches)
Terminal	T12	
Container Material	ABS	
Rated Capacity	17.0 AH/0.85A	(20hr, 1.80V/cell, 25°C/77°F)
	15.8 AH/1.58A	(10hr, 1.75V/cell, 25°C/77°F)
	13.6 AH/2.72A	(5hr, 1.75V/cell, 25°C/77°F)
	11.8 AH/3.94A	(3hr, 1.75V/cell, 25°C/77°F)
	9.35 AH/9.35A	(1hr, 1.67V/cell, 25°C/77°F)
Max. Discharge Current	204A (5s)	
Internal Resistance	Approx 18mΩ	
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 4.25A.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)

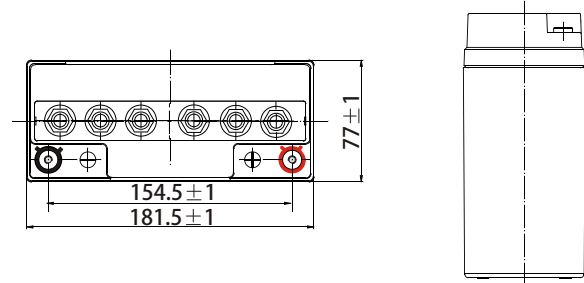
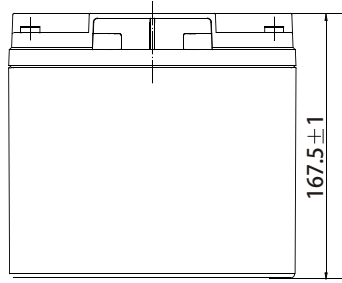
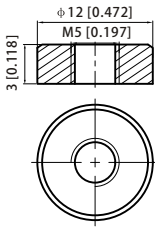
F.V/Time	20min	30min	45min	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	20h
1.85V/cell	14.4	11.3	8.61	7.21	4.57	3.49	2.89	2.49	2.15	1.90	1.72	1.57	1.48	0.82
1.80V/cell	16.5	12.6	9.50	7.96	4.95	3.73	3.06	2.62	2.26	1.99	1.80	1.65	1.55	0.85
1.75V/cell	18.5	13.9	10.3	8.52	5.24	3.94	3.20	2.72	2.34	2.06	1.86	1.70	1.58	0.87
1.70V/cell	19.9	14.9	10.9	9.01	5.56	4.11	3.31	2.81	2.42	2.13	1.91	1.75	1.62	0.88
1.67V/cell	20.8	15.4	11.3	9.35	5.70	4.24	3.39	2.86	2.46	2.16	1.94	1.77	1.64	0.89
1.60V/cell	22.5	16.5	12.1	9.93	5.93	4.41	3.52	2.95	2.52	2.21	1.98	1.81	1.67	0.90

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

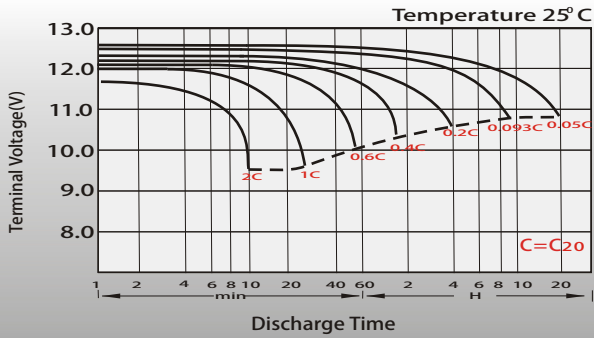
F.V/Time	20min	30min	45min	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	20h
1.85V/cell	27.5	21.8	16.7	14.0	8.94	6.83	5.68	4.92	4.26	3.78	3.42	3.13	2.96	1.63
1.80V/cell	31.1	24.1	18.3	15.4	9.63	7.29	5.99	5.15	4.46	3.95	3.57	3.28	3.09	1.69
1.75V/cell	34.6	26.2	19.6	16.4	10.2	7.68	6.26	5.33	4.60	4.07	3.68	3.37	3.14	1.73
1.70V/cell	36.9	27.9	20.7	17.3	10.7	7.98	6.45	5.48	4.75	4.20	3.78	3.46	3.21	1.75
1.67V/cell	37.9	28.6	21.3	17.8	11.0	8.20	6.59	5.58	4.82	4.25	3.83	3.50	3.25	1.76
1.60V/cell	40.6	30.4	22.7	18.8	11.3	8.49	6.81	5.74	4.92	4.33	3.89	3.57	3.31	1.78

Dimensions

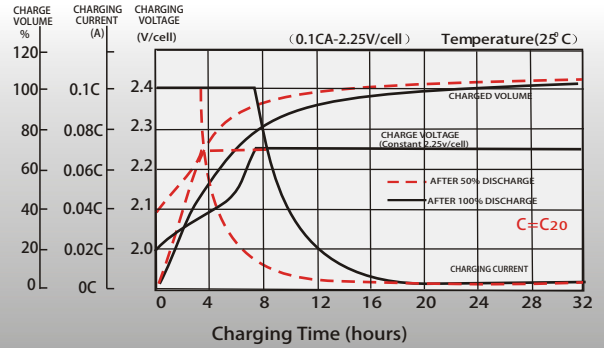
T12 Terminal Unit: mm [inches]



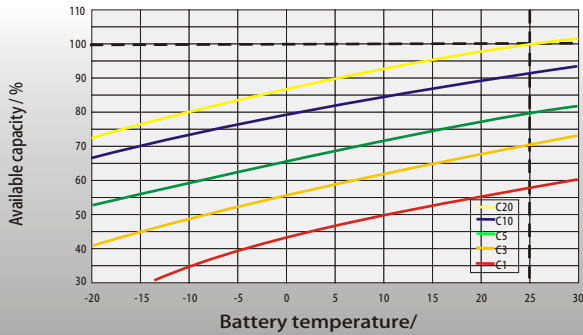
Discharge Characteristics



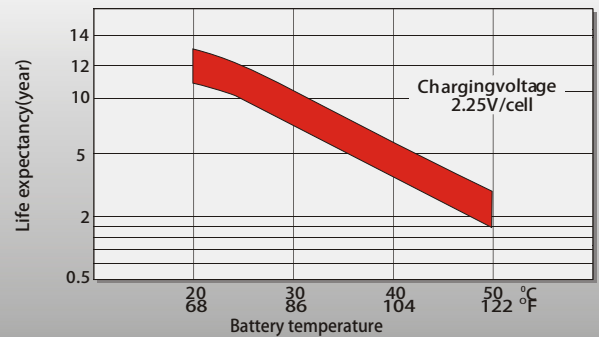
Float Charging Characteristics



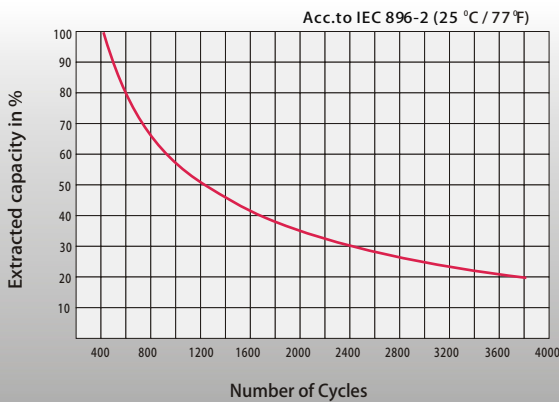
Temperature Effects in Relation to Batter Capacity



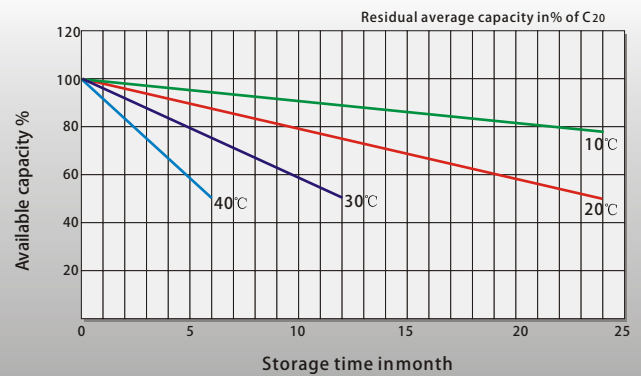
Effect of Temperature on Long Term Float Life



Cycle Life in Relation to Depth of Discharge



General Relation of Capacity VS. Storage Time



Contact US

Greensun Solar Energy Tech Co., Limited

- * Add: No 2000 Changjiang West Road, Shushan District Hefei China
- * Email: info@greensunpv.com
- * Phone: 0551-69866216 Fax: 0551-69866218 Mob: 0086-158 5511 0194
- * Web: <https://www.greensunpv.com> & <https://greensunpv.en.alibaba.com>