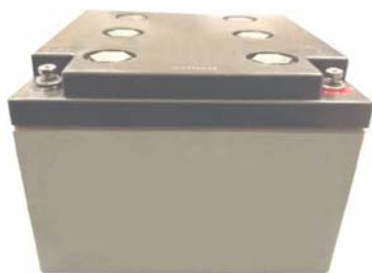


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Specification		
Nominal Voltage	12V	
Nominal Capacity (20HR)	24.0AH	
Dimension	Length	166±2mm (6.54 inches)
	Width	175±2mm (6.89 inches)
	Container Height	125±2mm (4.92 inches)
	Total Height (with Terminal)	125±2mm (4.92 inches)
	Approx Weight	Approx 8.8 kg (19.4lbs)
Terminal	T12	
Container Material	ABS	
Rated Capacity	24.0 AH/1.20A	(20hr, 1.80V/cell, 25°C/77°F)
	22.3 AH/2.23A	(10hr, 1.75V/cell, 25°C/77°F)
	19.2 A H/3.84A	(5hr, 1.75V/cell, 25°C/77°F)
	16.7 AH/5.57A	(3hr, 1.75V/cell, 25°C/77°F)
	13.2 AH/13.2A	(1hr, 1.67V/cell, 25°C/77°F)
Max. Discharge Current	288A (5s)	
Internal Resistance	Approx 15.8mΩ	
Operating Temperature Range	Discharge:	-20~55°C (-4~131°F)
	Change :	0~40°C (32~104°F)
	Storage :	-20~50°C (-4~122°F)
Nominal Operating Temperature Range	25±3°C (77±5°F)	
Cycle Use	Initial Charging Current less than 4.8A.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	Batteries may be stored for up to 9 months at 25°C (77°F) and then a freshening charge is required.	

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	20.3	15.9	12.2	10.2	6.46	4.92	4.07	3.52	3.04	2.69	2.42	2.22	2.10	1.15
1.80V/cell	23.3	17.8	13.4	11.2	6.98	5.27	4.32	3.70	3.19	2.81	2.54	2.33	2.19	1.20
1.75V/cell	26.1	19.6	14.5	12.0	7.40	5.57	4.52	3.84	3.30	2.91	2.62	2.40	2.23	1.22
1.70V/cell	28.2	21.0	15.4	12.7	7.85	5.80	4.67	3.96	3.42	3.01	2.70	2.46	2.28	1.24
1.67V/cell	29.3	21.8	15.9	13.2	8.05	5.98	4.79	4.04	3.47	3.05	2.74	2.50	2.31	1.25
1.60V/cell	31.8	23.3	17.1	14.0	8.38	6.22	4.97	4.17	3.56	3.12	2.79	2.55	2.36	1.27

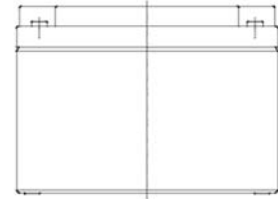
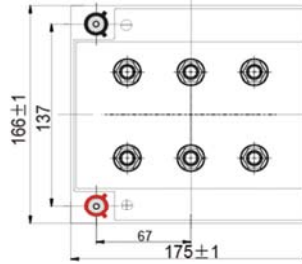
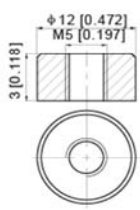
Constant Power Discharge (Watts/cell) at 25°C (77°F)														
F.V/Time	20min	30min	45min	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	20h
1.85V/cell	38.9	30.7	23.6	19.8	12.6	9.64	8.01	6.95	6.01	5.34	4.82	4.41	4.18	2.30
1.80V/cell	43.9	34.0	25.8	21.8	13.6	10.3	8.46	7.27	6.29	5.57	5.04	4.63	4.36	2.39
1.75V/cell	48.8	37.0	27.7	23.2	14.4	10.8	8.84	7.53	6.50	5.75	5.19	4.76	4.44	2.44
1.70V/cell	52.0	39.3	29.2	24.4	15.1	11.3	9.10	7.74	6.71	5.93	5.34	4.89	4.54	2.47
1.67V/cell	53.5	40.4	30.0	25.1	15.5	11.6	9.30	7.88	6.80	6.00	5.41	4.94	4.58	2.49
1.60V/cell	57.4	42.9	32.0	26.6	16.0	12.0	9.62	8.10	6.94	6.12	5.49	5.03	4.67	2.52



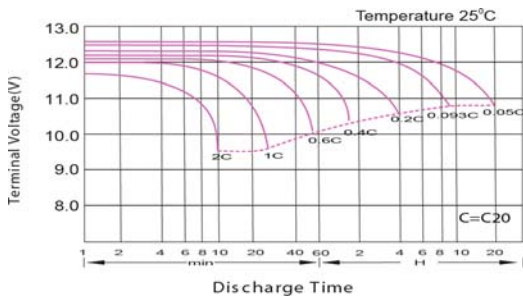
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Dimensions

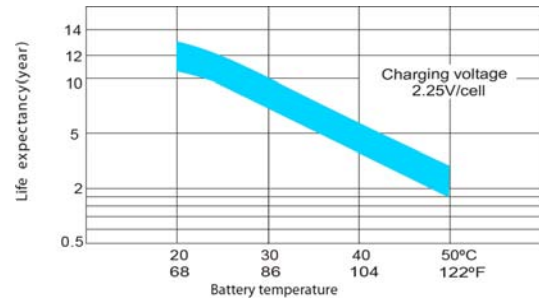
T12 Terminal
Unit: mm [inches]



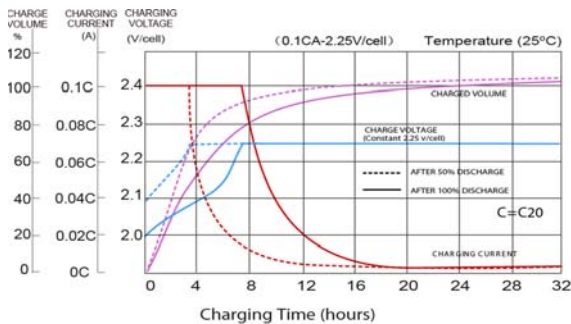
Discharge Characteristics



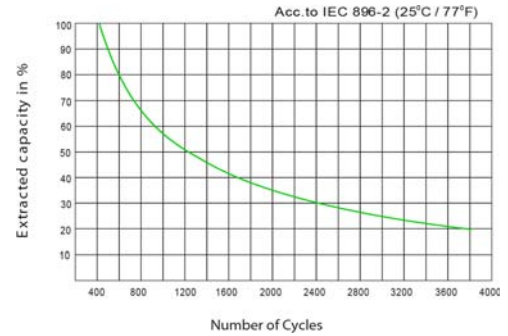
Effect of Temperature on Long Term Float Life



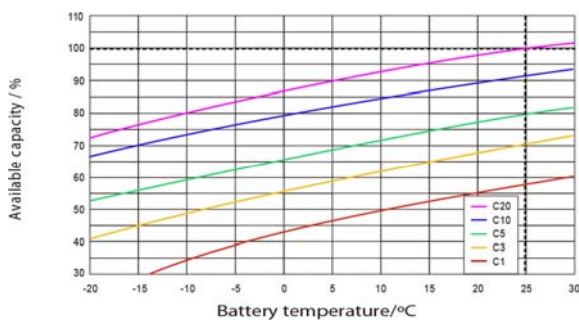
Float Charging Characteristics



Cycle Life in Relation to Depth of Discharge



Temperature Effects in Relation to Battery Capacity



General Relation of Capacity VS. Storage Time

