

UP-G75-12



Specification	
Nominal Voltage	12V
Nominal Capacity (20HR)	75.0AH
Dimension	Length 259±3mm (10.2 inches)
	Width 168±2mm (6.61 inches)
	Container Height 208±3mm (8.19 inches)
	Total Height (with Terminal) 214±3mm (8.43 inches)
	Approx Weight Approx 23.0 kg (50.7lbs)
Terminal	T6 / T14
Container Material	ABS
Rated Capacity	75.0 AH/3.75A (20hr, 1.80V/cell, 25°C/77°F)
	69.8 AH/6.98A (10hr, 1.75V/cell, 25°C/77°F)
	60.0 AH/12A (5hr, 1.75V/cell, 25°C/77°F)
	52 AH/17.36A (3hr, 1.75V/cell, 25°C/77°F)
	41.25 AH/41.25A (1hr, 1.67V/cell, 25°C/77°F)
Max. Discharge Current	700A (5s)
Internal Resistance	Approx 7.9mΩ
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 14.0A.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.

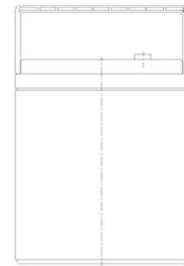
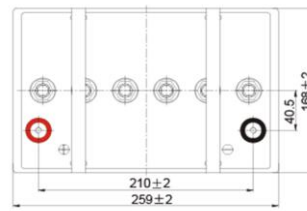
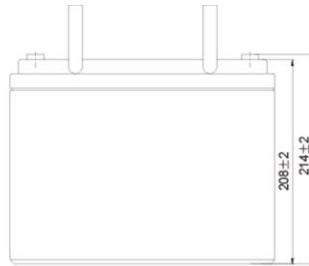
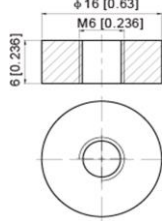
Constant Current Discharge (Amperes) at 25°C (77°F)														
F.V/Time	20min	30min	45min	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	20h
1.85V/cell	63.43	49.82	38.04	31.82	20.14	15.43	12.75	11.04	9.49	8.4	7.58	6.92	6.55	3.6
1.80V/cell	72.64	55.61	41.89	35.14	21.86	16.5	13.5	11.57	9.96	8.8	7.94	7.29	6.84	3.75
1.75V/cell	81.64	61.18	45.32	37.61	23.14	17.36	14.14	12.00	10.32	9.11	8.2	7.5	6.98	3.83
1.70V/cell	87.96	65.57	48.11	39.75	24.54	18.11	14.57	12.43	10.67	9.41	8.44	7.7	7.14	3.88
1.67V/cell	91.61	68.14	49.82	41.25	25.18	18.75	15.00	12.64	10.82	9.55	8.57	7.8	7.22	3.91
1.60V/cell	99.21	72.86	53.46	43.82	26.14	19.5	15.54	13.07	11.14	9.75	8.72	7.97	7.36	3.96

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	121.39	96.00	73.71	61.93	39.43	30.11	25.07	21.75	18.75	16.71	15.11	13.82	13.07	7.19
1.80V/cell	137.25	106.29	80.68	68.04	42.43	32.14	26.46	22.71	19.71	17.36	15.75	14.46	13.61	7.48
1.75V/cell	152.57	115.71	86.57	72.43	44.89	33.86	27.64	23.57	20.36	18.00	16.18	14.89	13.82	7.62
1.70V/cell	162.54	122.89	91.29	76.18	47.36	35.25	28.5	24.21	21.00	18.54	16.71	15.32	14.14	7.7
1.67V/cell	167.36	126.32	93.86	78.54	48.32	36.21	29.04	24.64	21.21	18.75	16.93	15.43	14.36	7.77
1.60V/cell	179.25	134.04	100.07	83.04	50.04	37.39	30.11	25.29	21.64	19.07	17.14	15.75	14.57	7.88

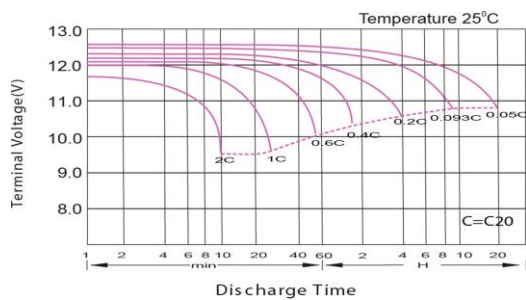
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Dimensions

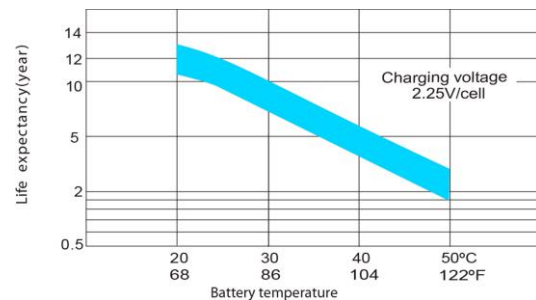
■ T6 Terminal
Unit: mm [inches]



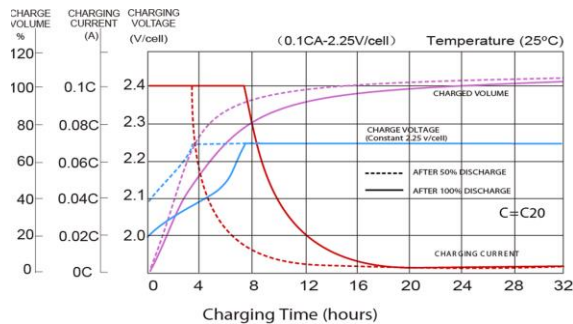
Discharge Characteristics



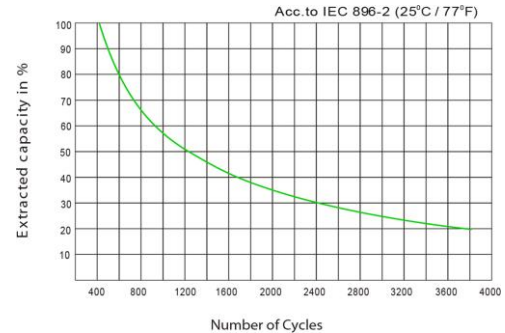
Effect of Temperature on Long Term Float Life



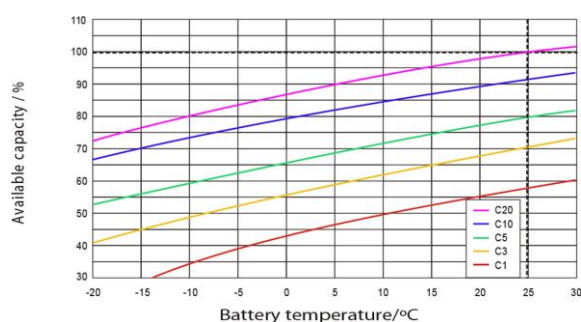
Float Charging Characteristics



Cycle Life in Relation to Depth of Discharge



Temperature Effects in Relation to Battery Capacity



General Relation of Capacity VS. Storage Time

