

## UP-G60-12



Specification		
Nominal Voltage	12V	
Nominal Capacity (20HR)	60.0AH	
Dimension	Length	325±3mm (12.8 inches)
	Width	167±2mm (6.57 inches)
	Container Height	174±2mm (6.85 inches)
	Total Height (with Terminal)	174±2mm (6.85 inches)
Approx Weight	Approx 21.5 kg (47.4lbs)	
Terminal	T6	
Container Material	ABS	
Rated Capacity	60.0 AH/3.00A	(20hr, 1.80V/cell, 25°C/77°F)
	55.8 AH/5.58A	(10hr, 1.75V/cell, 25°C/77°F)
	48.0 A H/9.60A	(5hr, 1.75V/cell, 25°C/77°F)
	41.7 AH/13.9A	(3hr, 1.75V/cell, 25°C/77°F)
	33.0 AH/33.0A	(1hr, 1.67V/cell, 25°C/77°F)
Max. Discharge Current	600A (5s)	
Internal Resistance	Approx 8.8mΩ	
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 12A.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	50.8	39.8	30.4	25.4	16.1	12.3	10.2	8.80	7.59	6.72	6.06	5.54	5.24	2.88
1.80V/cell	58.1	44.5	33.5	28.1	17.5	13.2	10.8	9.24	7.97	7.04	6.35	5.83	5.47	3.00
1.75V/cell	65.3	49.0	36.2	30.1	18.5	13.9	11.3	9.60	8.25	7.29	6.56	6.00	5.58	3.06
1.70V/cell	70.4	52.4	38.5	31.8	19.6	14.5	11.7	9.90	8.54	7.53	6.75	6.16	5.71	3.10
1.67V/cell	73.3	54.5	39.8	33.0	20.1	15.0	12.0	10.1	8.68	7.64	6.86	6.24	5.78	3.13
1.60V/cell	79.4	58.3	42.8	35.0	20.9	15.6	12.4	10.4	8.89	7.80	6.98	6.37	5.89	3.17

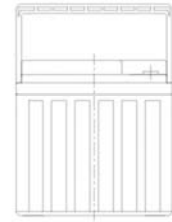
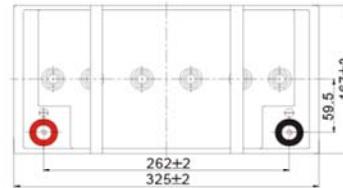
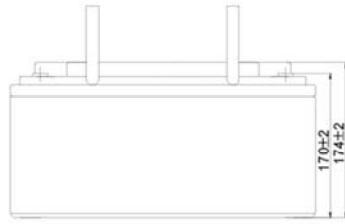
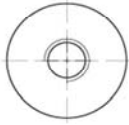
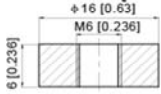
Constant Power Discharge (Watts/cell) at 25°C (77°F)														
F.V/Time	20min	30min	45min	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	20h
1.85V/cell	97.2	76.8	58.9	49.5	31.5	24.1	20.0	17.4	15.0	13.3	12.1	11.0	10.4	5.75
1.80V/cell	109.8	85.0	64.5	54.4	34.0	25.7	21.2	18.2	15.7	13.9	12.6	11.6	10.9	5.98
1.75V/cell	122.1	92.6	69.3	57.9	35.9	27.1	22.1	18.8	16.2	14.4	13.0	11.9	11.1	6.09
1.70V/cell	130.1	98.3	73.0	60.9	37.9	28.2	22.8	19.4	16.8	14.8	13.3	12.2	11.3	6.16
1.67V/cell	133.8	101.1	75.1	62.9	38.6	28.9	23.2	19.7	17.0	15.0	13.5	12.3	11.5	6.22
1.60V/cell	143.4	107.2	80.0	66.4	40.0	30.0	24.0	20.3	17.4	15.3	13.7	12.6	11.7	6.30



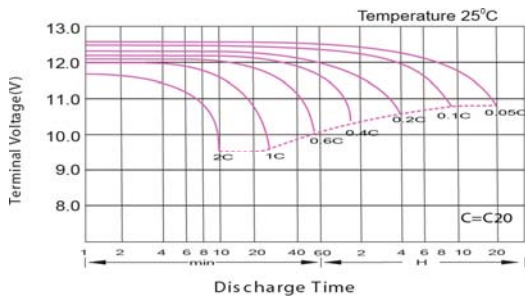
**UP-G60-12**

**Dimensions**

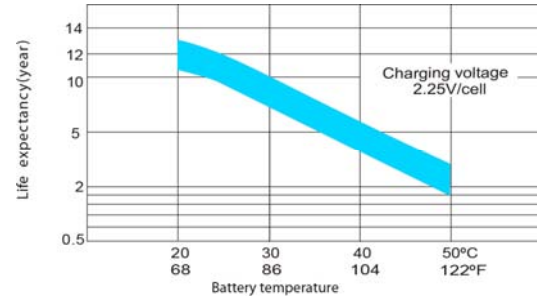
T6 Terminal  
Unit: mm [inches]



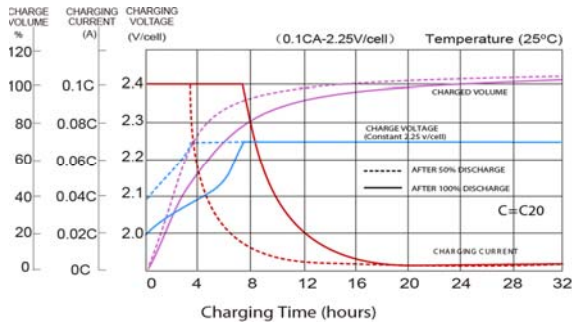
**Discharge Characteristics**



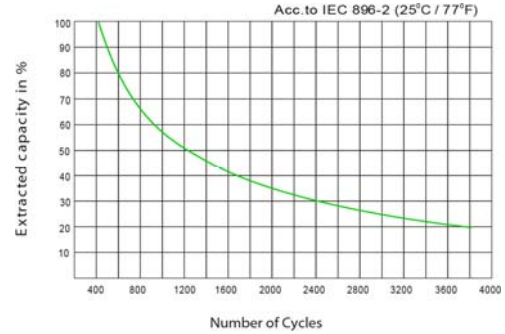
**Effect of Temperature on Long Term Float Life**



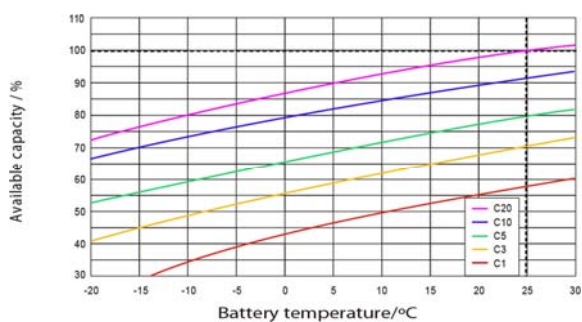
**Float Charging Characteristics**



**Cycle Life in Relation to Depth of Discharge**



**Temperature Effects in Relation to Battery Capacity**



**General Relation of Capacity VS. Storage Time**

