

## UP-G160-12



Specification		
Nominal Voltage	12V	
Nominal Capacity (20HR)	160.6AH	
Dimension	Length	484±1mm (19.05 inches)
	Width	171±1mm (6.73 inches)
	Height	241±1mm (9.48 inches)
	Total Height	241±1mm (9.48 inches)
Approx Weight	Approx 43.7kg (96,34lbs)	
Terminal	T11	
Container Material	ABS	
Rated Capacity	160.6AH/8.03A	(20hr, 1.75V/cell, 25°C/77°F)
	150.0AH/15.0A	(10hr, 1.80V/cell, 25°C/77°F)
	132.0AH/26.4A	(5hr, 1.75V/cell, 25°C/77°F)
	95.7AH/95.7A	(1hr, 1.60V/cell, 25°C/77°F)
Max. Discharge Current	1500A (5s)	
Internal Resistance	Approx ≤5.0mΩ	
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 30A Voltage 14.4-14.9V	
Standby Use	Initial Charging Current Less than 30A Voltage 13.6-13.8V	
Capacity affected by Temperature	40°C (104°F)	108%
	25°C (77°F)	100%
	0°C (32°F)	90%
	-15°C (5°F)	70%
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	15min	30min	45min	1h	2h	3h	5h	6h	8h	10h	20h
1.80V/cell	211.1	135.2	103.1	82.7	49.7	36.9	25.8	22.5	18.0	15.0	7.95
1.75V/cell	225.0	140.3	107.0	85.7	51.6	38.1	26.4	23.0	18.3	15.2	8.03
1.70V/cell	240.2	146.7	111.9	89.3	53.0	39.0	26.9	23.4	18.6	15.3	8.13
1.67V/cell	255.8	151.1	116.1	92.9	54.5	40.1	27.5	23.9	18.9	15.5	8.25
1.60V/cell	270.8	159.5	120.8	95.7	56.3	41.4	27.9	24.3	19.1	15.8	8.33

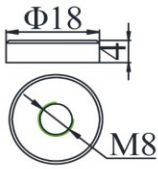
### Constant Power Discharge (Watts/cell) at 25°C (77°F)

F.V/Time	15min	30min	45min	1h	2h	3h	5h	6h	8h	10h	20h
1.80V/cell	406.5	265.2	199.1	160.8	95.7	71.6	50.4	44.1	35.6	29.7	15.8
1.75V/cell	433.1	276.5	206.0	166.2	99.0	73.7	51.5	44.9	36.0	29.9	16.0
1.70V/cell	461.6	290.4	214.5	172.5	101.4	75.2	52.2	45.6	36.5	30.2	16.1
1.67V/cell	495.3	296.9	221.6	178.7	103.8	77.0	53.0	46.2	36.9	30.5	16.3
1.60V/cell	517.7	316.7	229.4	183.6	106.7	79.1	53.9	47.0	37.2	30.8	16.4

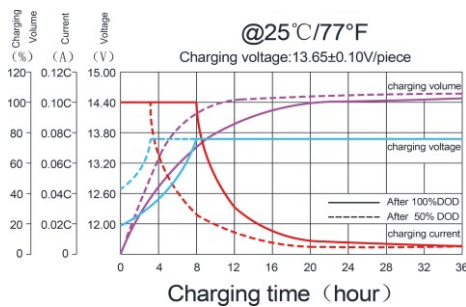
## UP-G160-12

### Dimensions

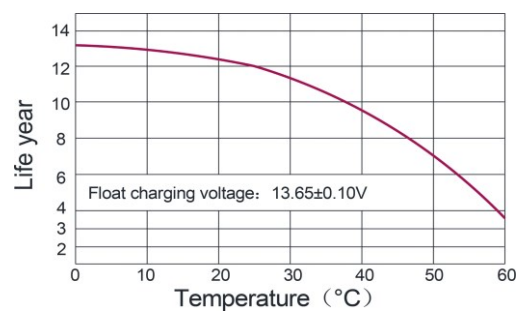
T11 Terminal  
Unit: mm



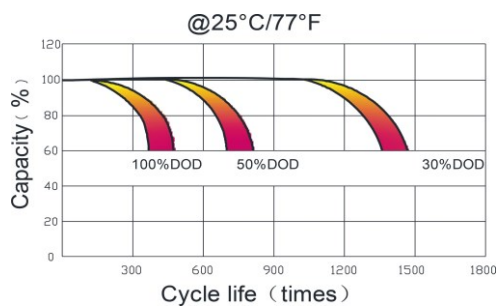
### Charging Characteristics



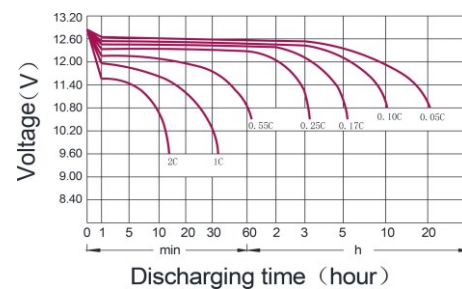
### Temperature Effect on Design Service Life



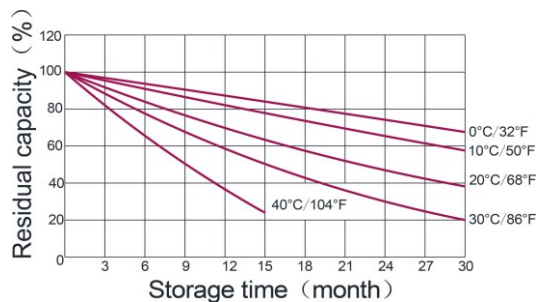
### Cycle Life vs. Depth of Discharge



### Discharge Characteristics



### Temperature Effect on Battery Self-discharge



### Temperature Effect on Capacity

