

UP-HR120-12



Specification		
Nominal Voltage	12V	
Watts(15min Rate)	483.8 Wate at 1.67V/cell	
Dimension	Length	410±3mm (16.14 inches)
	Width	177±2mm (6.97 inches)
	Container Height	225±2mm (8.86 inches)
	Total Height (with Terminal)	225±2mm (8.86 inches)
Approx Weight	Approx 37.6kg (82.9lbs)	
Terminal	T11	
Container Material	ABS	
Rated Capacity	126.0 AH/12.6A	(10hr , 1.80V/cell, 25°C/77°F)
	120.0 AH/15.0A	(8hr, 1.80V/cell, 25°C/77°F)
	107.0 AH/21.4A	(5hr, 1.75V/cell, 25°C/77°F)
	97.5 AH/32.5A	(3hr, 1.75V/cell, 25°C/77°F)
	94.6 AH/94.6A	(1hr, 1.60V/cell, 25°C/77°F)
Max. Discharge Current	1300A (5s)	
Internal Resistance	Approx 4mΩ	
Operating Temperature Range	Discharge: -15~50°C (5~122°F)	
	Change : 0~40°C (32~104°F)	
	Storage : -15~40°C (5~104°F)	
Nominal Operating Temperature Range	25±3°C (77±5°F)	
Cycle Use	Initial Charging Current less than 36.0A.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 6 months at 25°C (77°F) and then a freshening charge is required.	

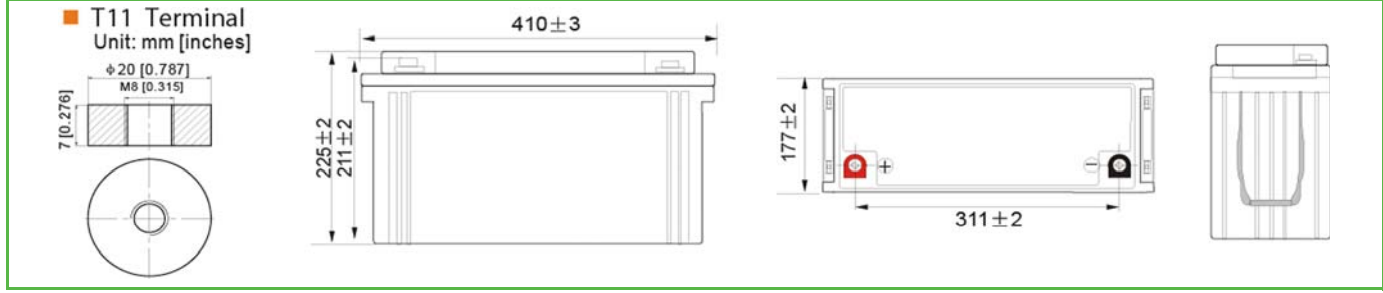
Constant Current Discharge (Amperes) at 25°C (77°F)															
F.V/Time	5min	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	261.2	216.7	192.6	164.0	126.7	96.0	77.6	43.7	30.3	24.0	20.2	17.1	14.4	12.0	6.53
1.80V/cell	330.5	260.9	219.3	182.8	140.9	105.3	81.9	45.0	31.9	25.1	20.9	18.1	15.0	12.6	6.60
1.75V/cell	372.7	286.7	239.5	196.5	146.3	109.3	85.7	46.6	32.5	25.7	21.4	18.7	15.6	12.8	6.66
1.70V/cell	410.4	312.5	255.7	206.6	152.3	113.7	88.4	48.5	33.5	26.4	22.0	19.1	15.8	13.0	6.78
1.65V/cell	452.5	337.3	271.9	219.5	160.6	116.5	91.4	49.9	34.9	27.3	22.6	19.5	16.0	13.2	6.87
1.60V/cell	/	366.2	290.8	233.8	169.6	121.4	94.6	51.5	35.9	28.1	23.4	19.9	16.2	13.4	6.91

Constant Power Discharge (Watts) at 25°C (77°F)															
F.V/Time	5min	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	477.6	400.2	359.3	309.1	241.5	184.7	149.6	84.9	59.5	47.4	40.2	34.2	28.2	23.7	13.0
1.80V/cell	597.9	476.4	403.7	339.4	264.4	200.9	157.1	86.7	62.3	49.4	41.3	36.2	29.3	24.8	13.1
1.75V/cell	659.8	515.1	435.5	361.6	272.3	206.5	163.6	89.6	63.2	50.2	42.3	37.1	30.3	25.2	13.2
1.70V/cell	706.4	548.6	458.5	377.2	281.9	213.9	168.2	92.9	64.9	51.5	43.3	37.8	30.7	25.5	13.5
1.65V/cell	767.9	586.8	483.8	397.7	294.9	217.3	172.7	95.0	67.3	53.1	44.3	38.5	31.0	26.0	13.6
1.60V/cell	/	622.4	508.9	419.0	309.1	225.2	177.8	97.7	69.1	54.6	45.7	39.2	31.3	26.2	13.7

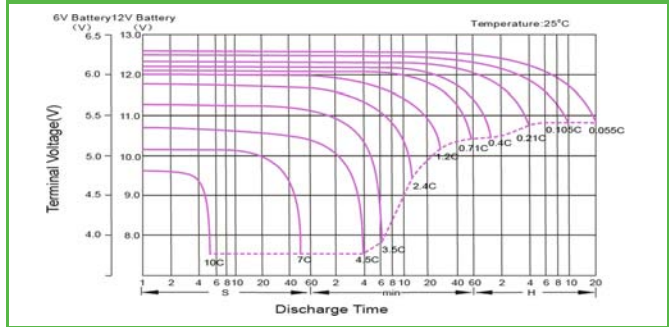


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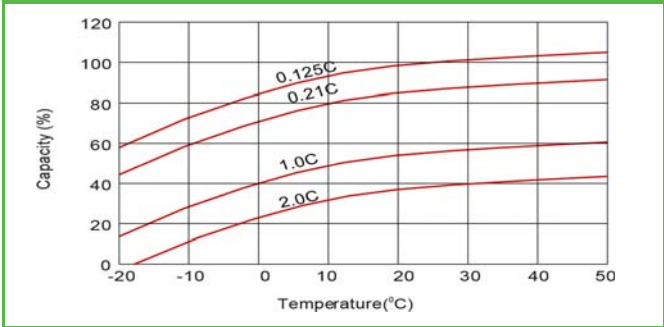
Dimensions



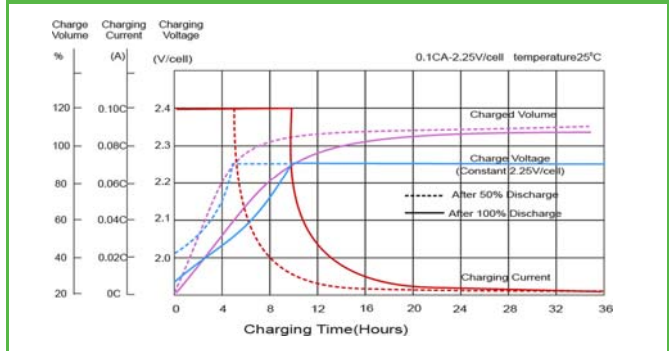
Discharge Characteristics



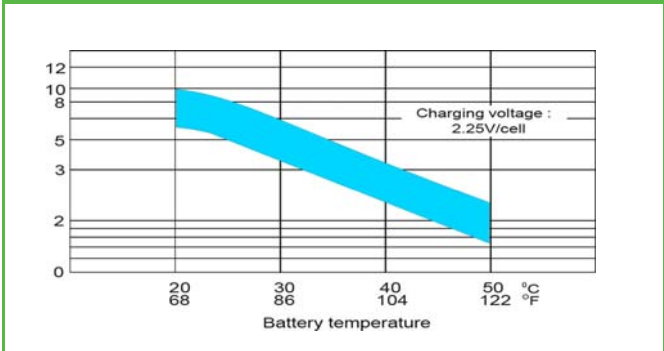
Temperature Effects in Relation to Battery Capacity



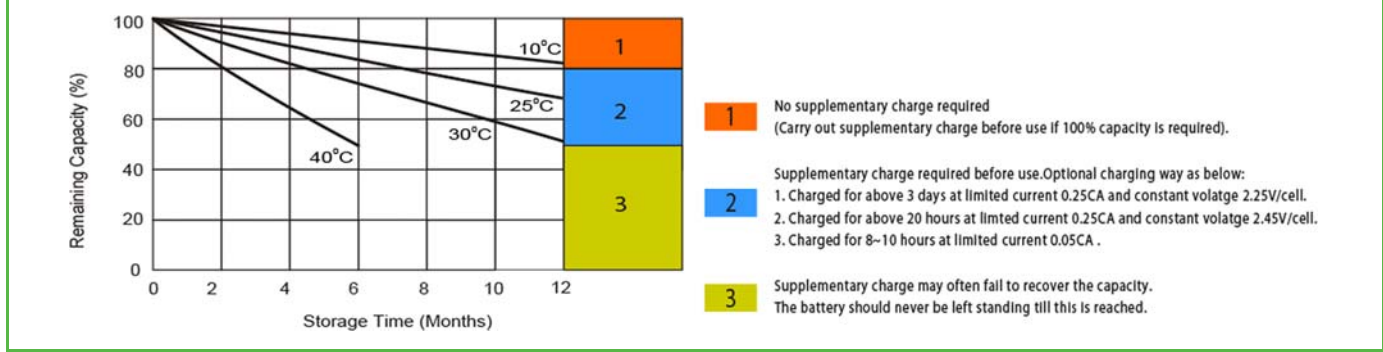
Float Charging Characteristics



Effect of Temperature on Long Term Float Life



Self Discharge Characteristics



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