

UP-ST1200-2



Specification		
Nominal Voltage	2V	
Nominal Capacity (10HR)	1200.0AH	
Dimension	Length	475±3mm (18.70 inches)
	Width	175±2mm (6.89 inches)
	Container Height	328±3mm (12.91 inches)
	Total Height (with Terminal)	350±3mm (13.78 inches)
	Approx Weight	Approx 63.7kg (140.5lbs)
Terminal	T11	
Container Material	ABS	
Rated Capacity	1260.0AH/63.0A	(20hr, 1.80V/cell, 25°C/77°F)
	1200.0AH/120.0A	(10hr, 1.80V/cell, 25°C/77°F)
	1044.0AH/208.8A	(5hr, 1.75V/cell, 25°C/77°F)
	907.2AH/302.4A	(3hr, 1.75V/cell, 25°C/77°F)
	728.4AH/728.4A	(1hr, 1.60V/cell, 25°C/77°F)
Max. Discharge Current	9600A (5s)	
Internal Resistance	Approx 0.4mΩ	
Operating Temperature Range	Discharge: -15~50°C (5~122°F)	
	Charge : 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 360.0A.Voltage. 2.4V~2.5.0V at 25°C (77°F) Temp. Coefficient -5mV/°C	
Standby Use	No limit on Initial Charging Current Voltage. 2.25V~2.3V at 25°C (77°F) Temp. Coefficient -3mV/°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	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	920.1	729.6	598.8	359.7	278.0	228.3	194.4	169.8	136.8	114.6	60.8
1.80V/cell	987.3	767.6	636.0	379.5	291.6	238.5	202.6	177.4	142.1	120.0	63.0
1.75V/cell	1045.5	807.1	663.6	395.2	302.4	246.6	208.8	181.6	144.8	121.2	63.6
1.70V/cell	1097.0	837.5	686.8	406.8	310.4	252.0	212.4	184.8	147.0	122.4	64.3
1.65V/cell	1150.7	874.0	711.6	419.0	317.2	257.4	217.0	188.0	149.1	124.0	65.1
1.60V/cell	1190.4	897.6	728.4	429.0	324.0	261.0	220.1	190.6	151.1	125.4	65.8

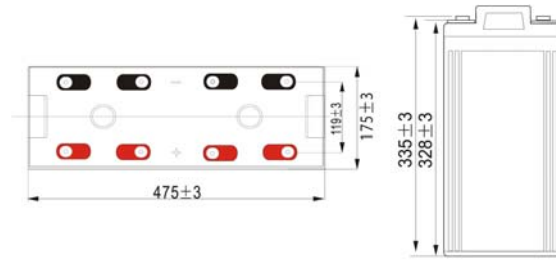
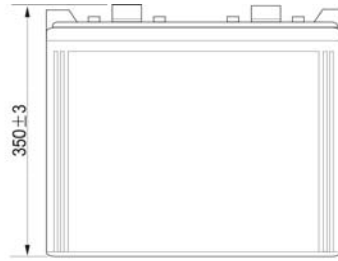
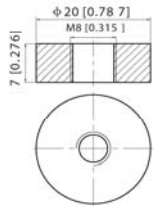
Constant Power Discharge (Watts) at 25°C (77°F)											
F.V/Time	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	1758.5	1402.8	1158.3	699.6	543.3	447.8	383.0	335.5	271.5	227.9	121.0
1.80V/cell	1871.7	1466.1	1223.3	734.6	567.2	466.2	397.3	349.1	281.0	238.3	125.2
1.75V/cell	1966.9	1532.6	1270.8	761.9	586.7	480.4	408.1	356.3	285.7	240.4	126.3
1.70V/cell	2046.5	1579.2	1308.4	781.1	599.9	488.9	413.9	362.0	289.9	242.6	127.5
1.65V/cell	2130.7	1638.8	1347.8	801.2	610.4	497.7	421.3	367.2	293.3	245.3	129.0
1.60V/cell	2182.0	1667.3	1370.1	815.1	620.2	502.4	425.7	371.1	296.5	247.8	130.3



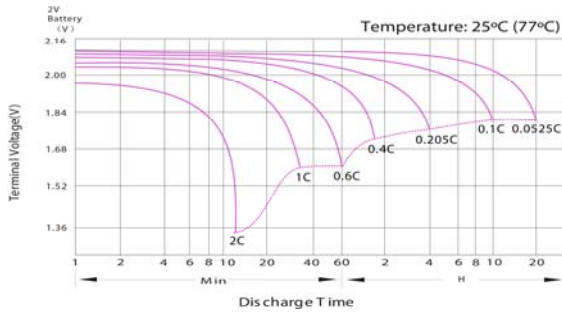
UP-ST1200-2

Dimensions

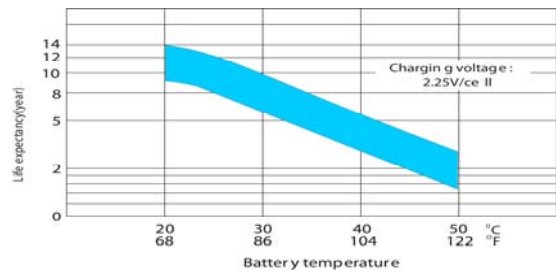
T11 Terminal
Unit: mm [inches]



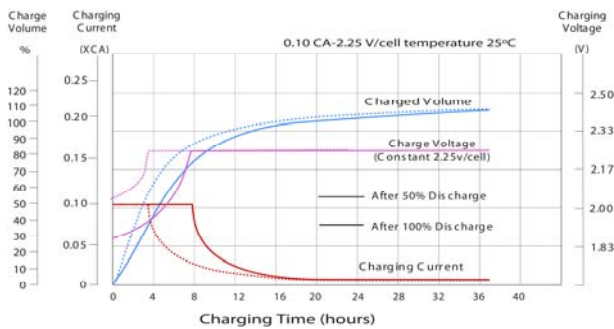
Discharge Characteristics



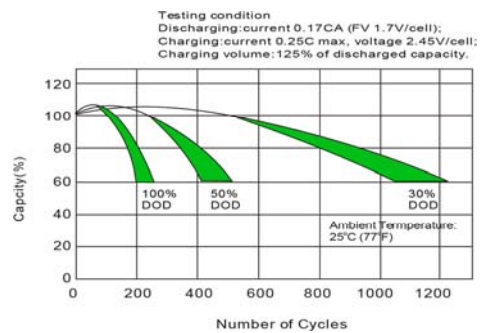
Effect of Temperature on Long Term Float Life



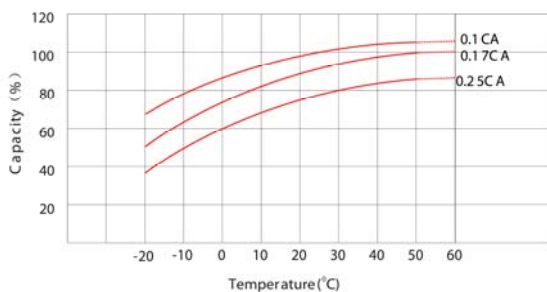
Float Charging Characteristics



Cycle Life in Relation to Depth of Discharge



Temperature Effects in Relation to Battery Capacity



Self Discharge Characteristics

