

UP-G125-12



Specification		
Nominal Voltage	12V	
Nominal Capacity (20HR)	130.0AH	
Dimension	Length	345±3mm (13.58 inches)
	Width	172±2mm (6.77 inches)
	Container Height	274±3mm (10.79 inches)
	Total Height (with Terminal)	280±3mm (11.02 inches)
	Approx Weight	Approx 47.3 kg (104.3lbs)
Terminal	T11	
Container Material	ABS	
Rated Capacity	130.0 AH/6.5A	(20hr, 1.80V/cell, 25°C/77°F)
	121.0 AH/12.1A	(10hr, 1.75V/cell, 25°C/77°F)
	104.0 A H/20.8A	(5hr, 1.75V/cell, 25°C/77°F)
	90.6 AH/30.2A	(3hr, 1.75V/cell, 25°C/77°F)
	71.5 AH/71.5A	(1hr, 1.67V/cell, 25°C/77°F)
Max. Discharge Current	1170A (5s)	
Internal Resistance	Approx 4.5mΩ	
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 26A.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	110.0	86.3	65.9	55.1	35.0	26.7	22.1	19.1	16.4	14.6	13.1	12.0	11.3	6.24
1.80V/cell	126.0	96.5	72.6	60.8	37.8	28.6	23.4	20.0	17.3	15.2	13.8	12.6	11.9	6.50
1.75V/cell	141.6	106.1	78.5	65.1	40.1	30.2	24.5	20.8	17.9	15.8	14.2	13.0	12.1	6.63
1.70V/cell	152.5	113.6	83.4	68.9	42.5	31.4	25.3	21.5	18.5	16.3	14.6	13.3	12.4	6.71
1.67V/cell	158.7	118.0	86.3	71.5	43.6	32.4	25.9	21.9	18.8	16.5	14.9	13.5	12.5	6.78
1.60V/cell	172.0	126.4	92.7	75.9	45.4	33.7	26.9	22.6	19.3	16.9	15.1	13.8	12.8	6.88

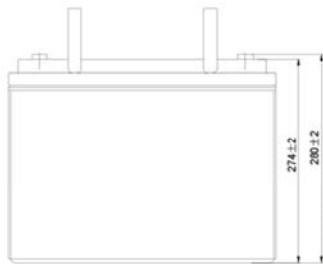
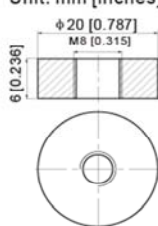
Constant Power Discharge (Watts/cell) at 25°C (77°F)														
F.V/Time	20min	30min	45min	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	20h
1.85V/cell	210.5	166.3	127.7	107.3	68.3	52.2	43.4	37.6	32.6	28.9	26.1	23.9	22.6	12.5
1.80V/cell	238.0	184.1	139.8	117.8	73.6	55.7	45.8	39.4	34.1	30.2	27.3	25.1	23.6	13.0
1.75V/cell	264.5	200.7	150.1	125.5	77.8	58.8	47.9	40.8	35.2	31.2	28.1	25.8	24.0	13.2
1.70V/cell	281.8	213.0	158.2	132.0	82.0	61.0	49.3	41.9	36.3	32.1	28.9	26.5	24.6	13.4
1.67V/cell	290.0	219.0	162.7	136.2	83.7	62.7	50.4	42.7	36.8	32.5	29.3	26.7	24.8	13.5
1.60V/cell	310.8	232.2	173.4	143.9	86.7	64.9	52.1	43.9	37.6	33.1	29.7	27.3	25.3	13.6



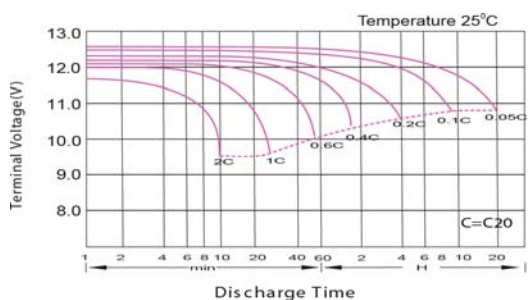
UP-G125-12

Dimensions

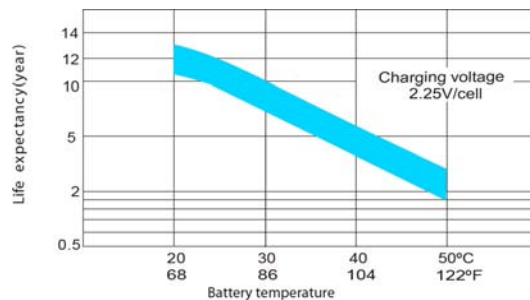
■ T11 Terminal
Unit: mm [inches]



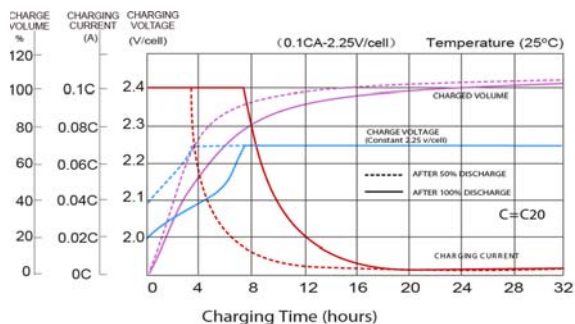
Discharge Characteristics



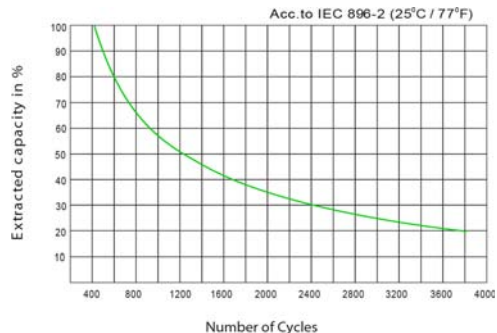
Effect of Temperature on Long Term Float Life



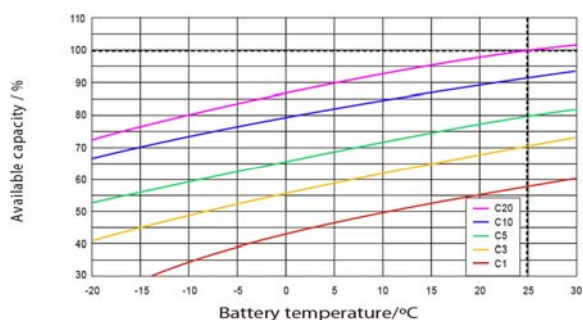
Float Charging Characteristics



Cycle Life in Relation to Depth of Discharge



Temperature Effects in Relation to Battery Capacity



General Relation of Capacity VS. Storage Time

