

UCG575-2

2V 575AH-C100

Deep Cycle

Ultracell®

Quality in Every Language

UCG575-2



Physical Specification

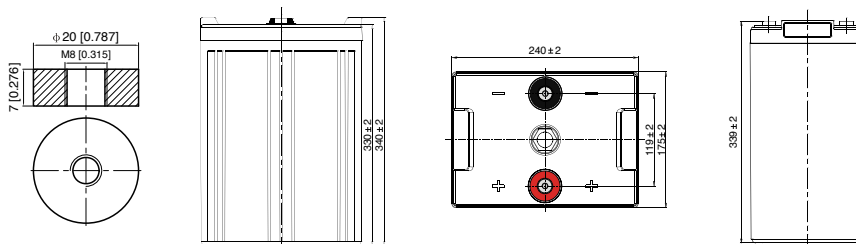
Part Number	UCG575-2
Length	240 ± 2 mm
Width	175 ± 2 mm
Container Height	330 ± 2 mm
Total Height (with terminal)	340 ± 2 mm
Approx Weight	30.0 kg

Specifications

	Nominal Voltage	2V
	Nominal Capacity (100HR)	575AH
Terminal Type	Standard Terminal	F11
	Optional Terminal	-
Container Material	Standard Option	ABS
	Flame Retardant Option (FR)	ABS(UL94:40)
Rated Capacity	20hr, 1.80V/cell, 25°C	533.4 AH/26.67A
	10hr, 1.80V/cell, 25°C	500.0 AH/50.00A
	5hr, 1.75V/cell, 25°C	430.0 AH/89.00A
	1hr, 1.60V/cell, 25°C	293.3 AH/293.3A
Max Discharge Current	3500A	
Internal Resistance	Approx 0.72m Ω	
Discharge Characteristics	Operating Temp. Range	Discharge: -20 ~ 55°C
		Charge: 0 ~ 40°C
		Storage: -20 ~ 50°C
	Nominal Operating Temp. Range	25 ± 3°C
	Cycle Use	2.4V ~ 2.5V Temp. Coefficient -5mV/°C
	Standby Use	2.25V ~ 2.3V Temp. Coefficient -3mV/°C
	Capacity affect by Temperature	40°C 103%
	25°C 100%	
	0°C 86%	
Design Floating Life at 20°C	15 Years	
Self Discharge	Ultracell batteries may be stored for up to 6 months at 25°C(77°F) and then a refresh charge is required. For higher temperatures the time interval will be shorter.	

Dimensions

F11 Terminal



Revised: 07 Aug 2014

ALL DATA IS SUBJECT TO CHANGE WITHOUT NOTICE



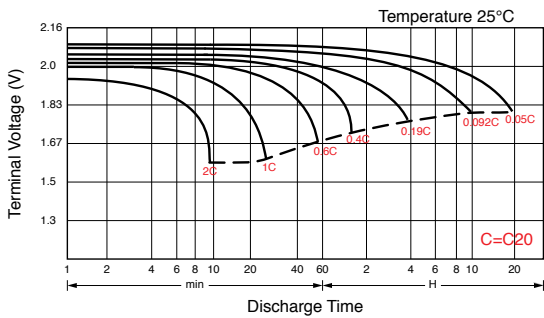
Constant Current Discharge (Amperes) at 20°C

F.V/Time	20min	30min	45min	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	20h
1.85V/cell	435.0	342.0	260.7	226.5	144.5	110.2	91.3	78.8	68.0	60.2	54.3	49.6	47.0	25.60
1.80V/cell	499.5	382.0	288.0	250.0	156.5	118.0	96.8	82.8	71.4	63.0	56.9	52.2	49.1	26.67
1.75V/cell	561.0	420.0	310.7	267.0	165.8	124.7	101.4	86.0	73.9	65.3	58.8	53.8	50.0	27.20
1.70V/cell	604.5	450.0	330.0	283.0	175.8	129.8	104.6	88.6	76.5	67.4	60.5	55.2	51.2	27.58
1.67V/cell	628.5	468.0	342.0	293.3	180.3	134.0	107.3	90.5	77.8	68.4	61.4	55.9	51.8	27.83
1.60V/cell	681.0	500.0	367.3	311.5	187.5	139.3	111.3	93.3	79.7	69.9	62.5	57.1	52.8	28.23

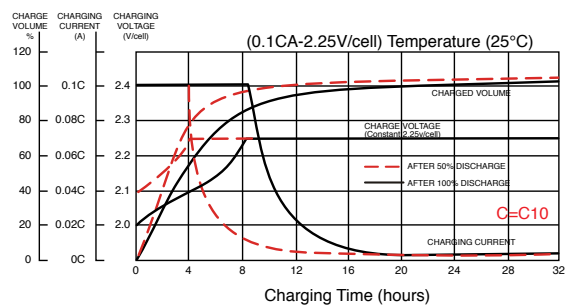
Constant Power Discharge (Watts) at 20°C

F.V/Time	20min	30min	45min	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	20h
1.85V/cell	826.1	653.9	501.5	437.6	280.2	214.2	178.1	154.4	133.7	118.7	107.3	98.1	92.9	50.7
1.80V/cell	936.1	723.5	548.9	480.5	301.9	228.6	188.1	161.6	139.9	123.7	112.1	103.0	96.9	52.7
1.75V/cell	1039.5	786.7	586.8	510.5	318.9	241.0	196.5	167.1	144.3	127.9	115.4	105.9	98.7	53.7
1.70V/cell	1108.0	837.0	621.1	539.1	336.6	250.2	202.2	171.8	149.1	131.9	118.7	108.6	100.9	54.4
1.67V/cell	1138.8	858.8	637.8	554.3	343.4	257.1	206.7	174.8	151.1	133.4	120.1	109.8	101.9	54.9
1.60V/cell	1220.4	911.5	681.4	585.6	355.5	266.1	213.7	179.7	154.3	135.9	122.1	111.9	103.8	55.6

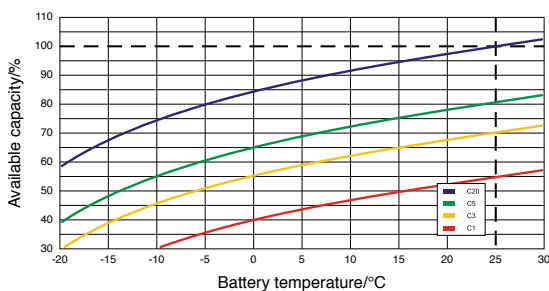
Discharge Characteristics



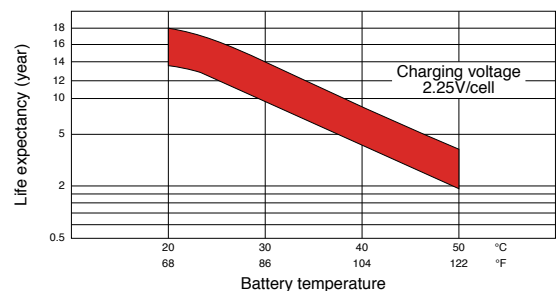
Float Charging Characteristics



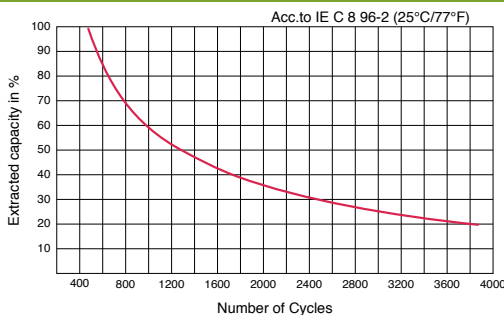
Temperature Effects in Relation to Battery Capacity



Effect of Temperature on Long Term Float Life



Cycle Life in Relation to Depth of Discharge



General Relation of Capacity VS. Storage Time

