

UCG65-12

Awaiting Image

Physical Specification

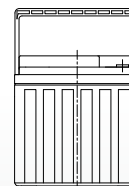
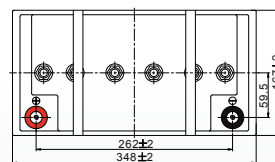
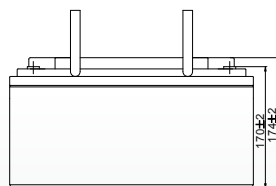
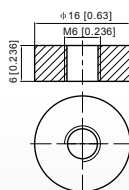
Part Number:	UCG65-12
Length:	348 ± 2 mm
Width:	167 ± 2 mm
Container Height:	178 ± 2 mm
Total Height (with terminal):	178 ± 2 mm
Approx Weight:	Approx 21.0kg

Specifications

	Normal Voltage	12V
	Normal Capacity (20HR)	65.0AH
Terminal Type	Standard Terminal	F6
	Optional Terminal	-
Container Material	Standard Option	ABS
	Flame Retardant Option (FR)	ABS(UL94:VO)
Rated Capacity	67.6 AH/3.25A	(20hr, 1.80V/cell, 25°C / 77°F)
	65.0 AH/6.05A	(10hr, 1.75V/cell, 25°C / 77°F)
	52.0 AH/10.4A	(5hr, 1.75V/cell, 25°C / 77°F)
	45.3 AH/15.1A	(3hr, 1.75V/cell, 25°C / 77°F)
	35.8 AH/35.8A	(1hr, 1.67V/cell, 25°C / 77°F)
Max Discharge Current	650A (5s)	
Internal Resistance	Approx 7.9mΩ	
Discharge Characteristics	Operating Temp. Range	Discharge: -20 ~ 55°C (-4 ~ 131°F)
		Charge: 0 ~ 40°C (32 ~ 104°F)
		Storage: -20 ~ 50°C (-4 ~ 122°F)
	Nominal Operating Temp. Range	25 ± 3°C (77 ± 5°F)
	Cycle Use	Initial Charging Current less than 16.25A 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%	
Design Floating Life at 20°C	12 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

F6 Terminal



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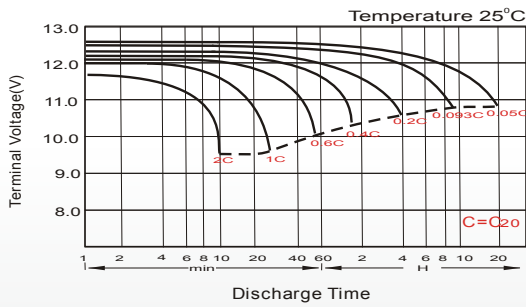
Constant Current Discharge (Amperes) at 25°C (77°F)

F.V/Time	20 min	30 min	45 min	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	20h
1.85V/cell	55.0	43.2	32.9	27.6	17.5	13.3	11.0	9.53	8.22	7.28	6.57	6.00	5.67	3.12
1.80V/cell	63.0	48.2	36.3	30.4	18.9	14.3	11.7	10.0	8.63	7.62	6.88	6.31	5.93	3.25
1.75V/cell	70.8	53.0	39.3	32.6	20.1	15.1	12.3	10.4	8.94	7.89	7.10	6.50	6.05	3.32
1.70V/cell	76.2	56.8	41.7	34.5	21.3	15.7	12.7	10.7	9.25	8.15	7.31	6.67	6.19	3.36
1.67V/cell	79.4	59.0	43.2	35.8	21.8	16.2	13.0	10.9	9.40	8.27	7.43	6.76	6.26	3.39
1.60V/cell	86.0	63.2	46.4	38.0	22.7	16.9	13.5	11.3	9.63	8.45	7.56	6.90	6.38	3.44

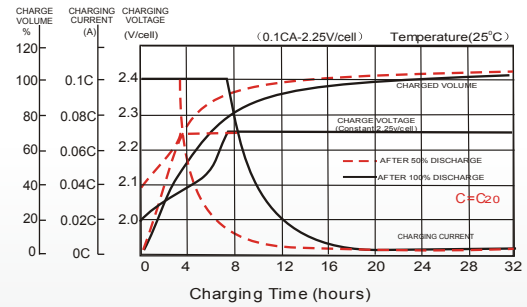
Constant Power Discharge (Watts) at 25°C (77°F)

F.V/Time	20 min	30 min	45 min	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	20h
1.85V/cell	105.3	83.2	63.9	53.7	34.2	26.1	21.7	18.8	16.3	14.5	13.1	12.0	11.3	6.23
1.80V/cell	119.0	92.1	69.9	58.9	36.8	27.9	22.9	19.7	17.0	15.1	13.7	12.5	11.8	6.48
1.75V/cell	132.2	100.3	75.0	62.8	38.9	29.4	23.9	20.4	17.6	15.6	14.1	12.9	12.0	6.60
1.70V/cell	140.9	106.5	79.1	66.0	41.0	30.5	24.7	21.0	18.2	16.1	14.5	13.2	12.3	6.68
1.67V/cell	145.0	109.5	81.3	68.1	41.9	31.3	25.2	21.3	18.4	16.3	14.6	13.4	12.4	6.74
1.60V/cell	155.4	116.1	86.7	71.9	43.4	32.4	26.0	21.9	18.8	16.6	14.9	13.6	12.6	6.82

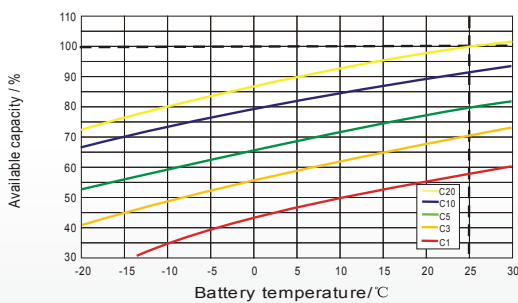
Discharge Characteristics



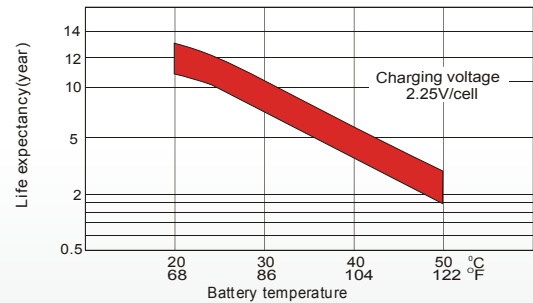
Float Charging Characteristics



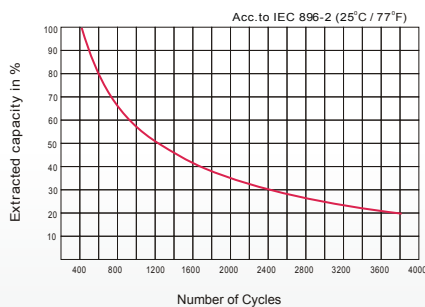
Temperature Effects in Relation to Battery Capacity



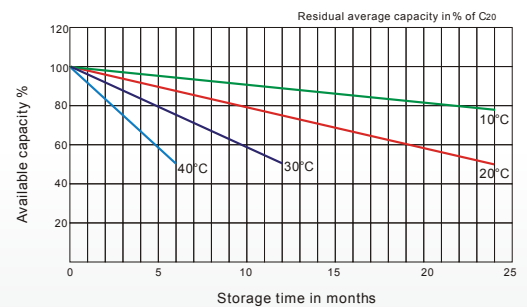
Effect of Temperature on Long Term Float Life



Cycle Life in Relation to Depth of Discharge



General Relation of Capacity VS. Storage Time



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