UCG60-12L

12V 60AH L

Deep Cycle

Ultracell®

'Quality in Every Language'

UCG60-12L

Physical Specification

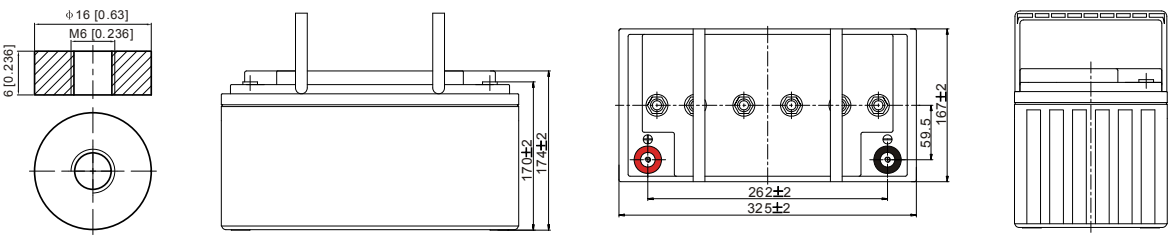
Part Number	**UCG60-12L**
Length	**325 ± 2 mm**
Width	**167 ± 2 mm**
Container Height	**174 ± 2 mm**
Total Height (with terminal)	**174 ± 2 mm**
Approx Weight	**19.2 kg**

Specifications

	Nominal Voltage	12V
	Nominal Capacity 20HR)	60.0AH
Terminal Type	Standard Terminal	F6
Container Material	Standard Option	ABS
	Flame Retardant Option (FR)	ABS (UL94:VO)
Rated Capacity	20hr, 1.80V/cell, 25°C	62.4 AH/3.00A
	10hr, 1.80V/cell, 25°C	60.0 AH/5.58A
	5hr, 1.75V/cell, 25°C	48.0 AH/9.60A
	3hr, 1.75V/cell, 25°C	41.7 AH/13.9A
	1hr, 1.60V/cell, 25°C	33.0 AH/33.0A
Max Discharge Current	600A (5s)	
Internal Resistance	8.8mΩ	
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	Inital Charging Current less than 15A.Voltage 14.4V ~ 15.0V Temp. Coefficient -30mV/°C
	Standby Use	No limit on Initial Charging Current Voltage 13.5V ~ 13.8V Temp. Coefficient -20mV/°C
	Capacity affect by Temperature	40°C 103%
		25°C 100%
		0°C 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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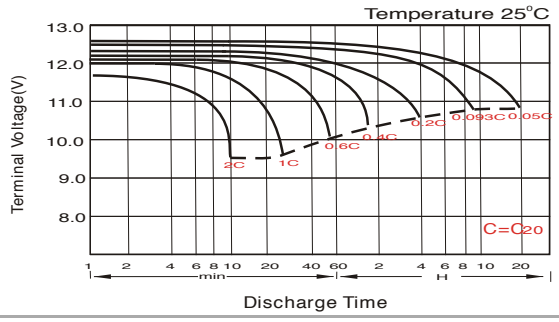
Constant Current Discharge (Amperes) at 20°C

F.V/Time	20 min	30 min	45 min	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	20h
1.85V/cell	50.8	39.8	30.4	25.4	16.1	12.3	10.2	8.80	7.59	6.72	6.06	5.54	5.24	2.88
1.80V/cell	58.1	44.5	33.5	28.1	17.5	13.2	10.8	9.24	7.97	7.04	6.35	5.83	5.47	3.00
1.75V/cell	65.3	49.0	36.2	30.1	18.5	13.9	11.3	9.60	8.25	7.29	6.56	6.00	5.58	3.06
1.70V/cell	70.4	52.4	38.5	31.8	19.6	14.5	11.7	9.90	8.54	7.53	6.75	6.16	5.71	3.10
1.67V/cell	73.3	54.5	39.8	33.0	20.1	15.0	12.0	10.1	8.68	7.64	6.86	6.24	5.78	3.13
1.60V/cell	79.4	58.3	42.8	35.0	20.9	15.6	12.4	10.4	8.89	7.80	6.98	6.37	5.89	3.17

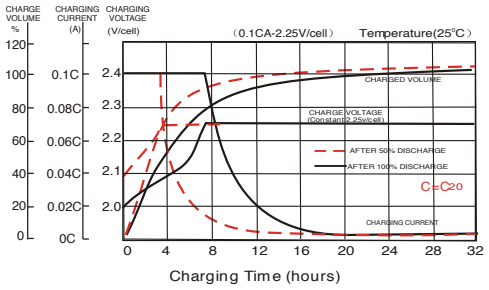
Constant Power Discharge (Watts) at 20°C

F.V/Time	20 min	30 min	45 min	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	20h
1.85V/cell	97.2	76.8	58.9	49.5	31.5	24.1	20.0	17.4	15.0	13.3	12.1	11.0	10.4	5.75
1.80V/cell	109.8	85.0	64.5	54.4	34.0	25.7	21.2	18.2	15.7	13.9	12.6	11.6	10.9	5.98
1.75V/cell	122.1	92.6	69.3	57.9	35.9	27.1	22.1	18.8	16.2	14.4	13.0	11.9	11.1	6.09
1.70V/cell	130.1	98.3	73.0	60.9	37.9	28.2	22.8	19.4	16.8	14.8	13.3	12.2	11.3	6.16
1.67V/cell	133.8	101.1	75.1	62.9	38.6	28.9	23.2	19.7	17.0	15.0	13.5	12.3	11.5	6.22
1.60V/cell	143.4	107.2	80.0	66.4	40.0	30.0	24.0	20.3	17.4	15.3	13.7	12.6	11.7	6.30

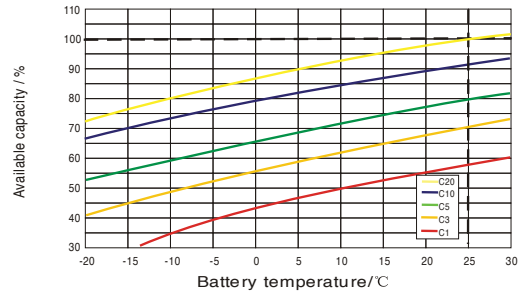
Discharge Characteristics



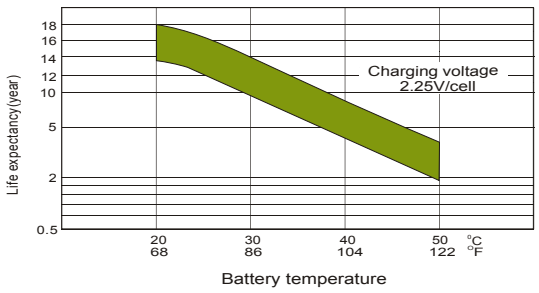
Float Charging Characteristics



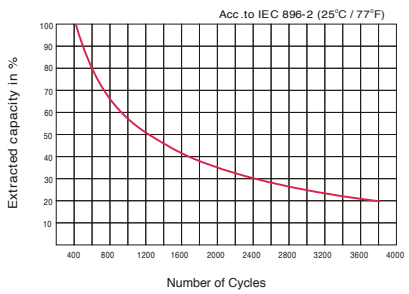
Temperature Effects in Relation to Battery Capacity



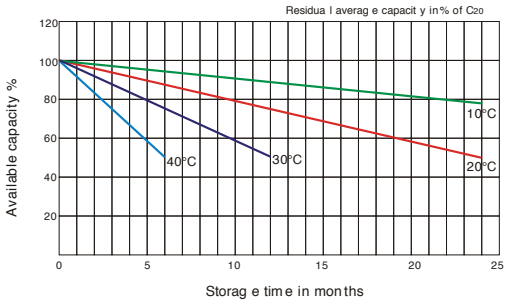
Life Characteristics of Cycle Use



Cycle Life in Relation to Depth of Discharge



General Relation of Capacity VS. Storage Time



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