UCG35-12

12V 35AH

Deep Cycle Gel

Ultracell®

'Quality in Every Language'

UCG35-12



Physical Specification

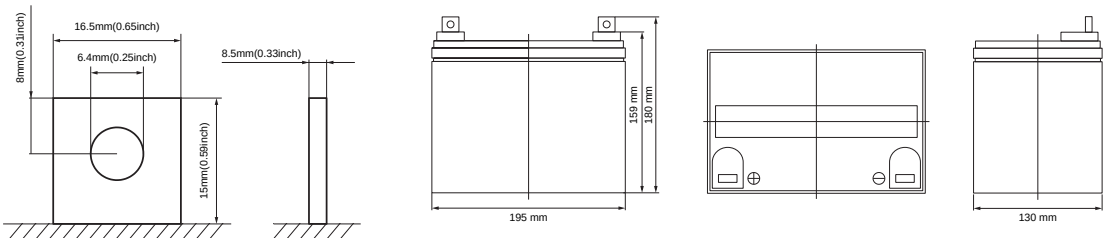
Part Number	**UCG35-12**
Length	**195 ± 2 mm**
Width	**130 ± 2 mm**
Container Height	**159 ± 2 mm**
Total Height (with terminal)	**180 ± 2 mm**
Approx Weight	**11.5 kg**

Specifications

	Nominal Voltage	12V
	Nominal Capacity (20HR)	35AH
Terminal Type	Standard Terminal	T10
	Optional Terminal	-
Container Material	Standard Option	ABS
	Flame Retardant Option (FR)	-
Rated Capacity	20hr, 1.80V/cell, 25°C	35 AH/1.65A
	10hr, 1.80V/cell, 25°C	33.3 AH/3.14A
	5hr, 1.75V/cell, 25°C	28.1 AH/5.61A
	1hr, 1.60V/cell, 25°C	19.8AH/19.8A
Max Discharge Current	-	
Internal Resistance	Approx 0.01m Ω	
Discharge Characteristics	Operating Temp. Range	Discharge: -°C
		Charge: -°C
		Storage: -°C
	Nominal Operating Temp. Range	-
	Cycle Use	14.4V ~ 15.0V Temp. Coefficient -mV/°C
	Standby Use	13.6V ~ 13.8V Temp. Coefficient -mV/°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

T10 Terminal



Ultracell (UK) Ltd | Vesty Business Park, Vesty Road, Liverpool, L30 1NY, United Kingdom
Tel: +44 (0) 151 523 2777 | Fax: +44 (0) 151 523 0855 | Email: info@ultracell.co.uk
www.ultracell.co.uk

Revised: 13 Aug 2014

ALL DATA IS SUBJECT TO CHANGE WITHOUT NOTICE

UCG35-12

12V 35AH

Deep Cycle Gel

Ultracell®

'Quality in Every Language'

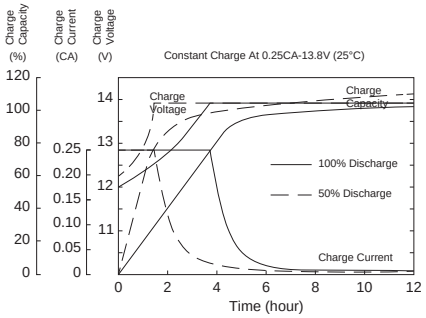
Constant Current Discharge (Amperes) at 20°C

F.V / Time	5 MIN	10 MIN	15 MIN	30 MIN	1 HR	3 HR	5 HR	10 HR	20 HR
1.60 V	130.02	79.86	60.52	36.89	19.8	10.3	6.07	3.37	1.84
1.67 V	120.78	76.56	58.67	35.38	19.6	8.71	5.94	3.30	1.78
1.70 V	111.54	73.26	56.83	32.08	18.9	8.29	5.81	3.23	1.78
1.75 V	110.22	71.28	54.98	30.56	18.5	8.05	5.64	3.18	1.67
1.80 V	97.68	67.98	49.62	28.31	17.2	7.85	5.54	3.15	1.65
1.85 V	86.46	64.55	44.75	25.94	16.7	7.72	5.54	2.45	1.65

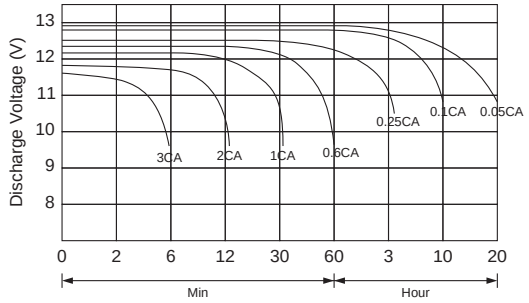
Constant Power Discharge (Watts) at 20°C

F.V / Time	5 MIN	10 MIN	15 MIN	30 MIN	1 HR	3 HR	5 HR	10 HR	20 HR
1.60 V	264	171.60	110	76.6	42.9	16.7	11.4	6.40	3.37
1.67 V	255.42	167.64	130.02	75.2	42.4	16.6	11.3	6.40	3.37
1.70 V	244.86	165	126.72	73.9	42	16.5	11.3	6.34	3.30
1.75 V	23.34	158.40	122.76	71.9	41.3	16.4	11.2	6.34	3.30
1.80 V	199.98	146.52	117.48	70	40	16.1	11.1	6.20	3.23
1.85 V	188.76	135.96	112.20	66.7	39.1	15.8	11.0	6.20	3.23

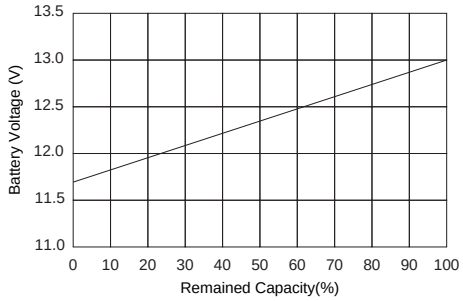
Discharge Characteristics



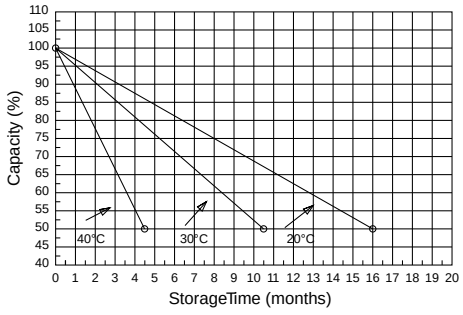
Float Charging Characteristics



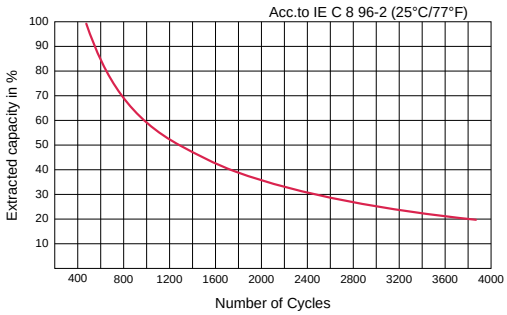
Temperature Effects in Relation to Battery Capacity



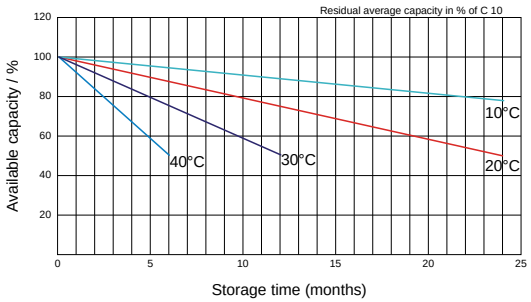
Effect of Temperature on Long Term Float Life



Cycle Life in Relation to Depth of Discharge



General Relation of Capacity VS. Storage Time



Ultracell (UK) Ltd | Vesty Business Park, Vesty Road, Liverpool, L30 1NY, United Kingdom
Tel: +44 (0) 151 523 2777 | Fax: +44 (0) 151 523 0855 | Email: info@ultracell.co.uk
www.ultracell.co.uk

Revised: 13 Aug 2014

ALL DATA IS SUBJECT TO CHANGE WITHOUT NOTICE