

UCG 120 - 12

12V 120AH

AGM GEL

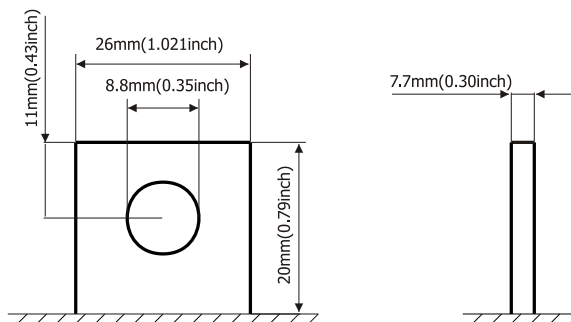
Ultracell®

'Quality in Every Language'

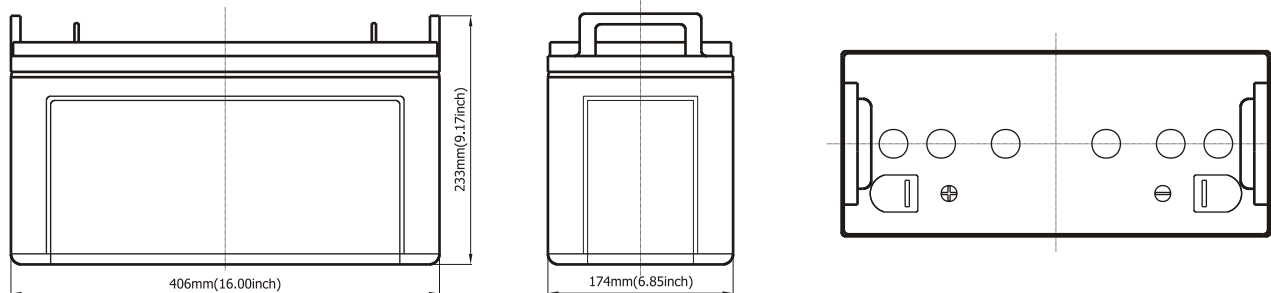
Image



Terminal Type



Dimensions



Specifications

Battery Model	UCG 120 - 12			
Designed Floating Life	15 Years			
Capacity (25°C)	20HR (6.1A, 1.75V)	10HR (12A, 1.75V)	5HR (20A, 1.75V)	1HR (75A, 1.75V)
	124AH	120AH	100AH	75AH
Dimensions	Length	Width	Height	Total Height
	406mm	174mm	208mm	233mm
Approx. Weight	38Kg			
Internal Resistance	Fully Charged at 25°C 0.0045 Ohm			
Self Discharge	3% of capacity declined per month at 25°C			
Capacity Affected by Temperature	40°C	25°C	0°C	-15°C
	102%	100%	85%	65%
Charge Voltage (25°C)	Cycle Use		Float Use	
	14.4-15V (-30mV/C), max. Current: 30A		13.6-13.8V (-20mV/C)	

Construction

Component — Raw material
 Positive — Lead dioxide
 Negative — Lead
 Container — ABS (Flame Retardent optional)
 Cover — ABS (Flame Retardent optional)

Sealed and maintenance free option

Sealant — Epoxy Resin
 Safety Valve — EPDR
 Terminal — Copper
 Separator — Fibre Glass
 Electrolyte — Sulphuric acid and Gel

Non-spillable construction design



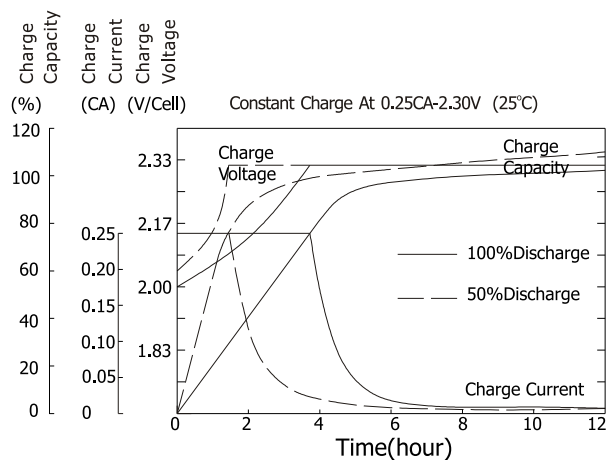
CE 1188



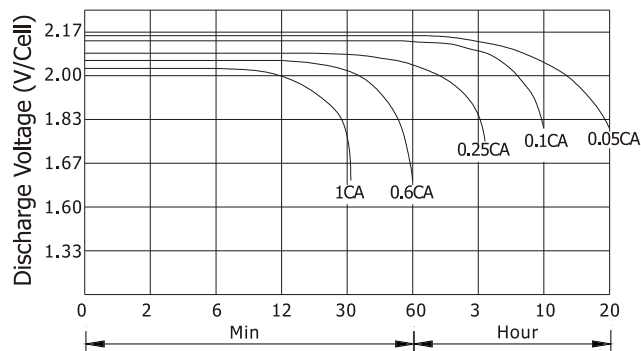
MH 29410

Tel | +44 (0) 151 523 2777
 Fax | +44 (0) 151 523 0855
 E-mail | info@ultracell.co.uk
 Web | www.ultracell.co.uk

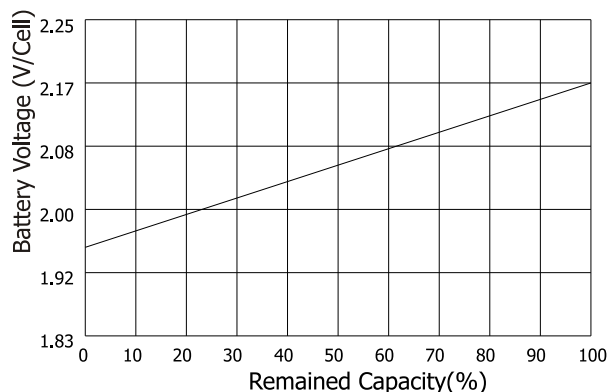
Charge Characteristic



Discharge Characteristic 25°C



Relationship of OCV and state of charge



Life Expectancy Cycle Use:

- 100% depth of discharge 350 cycles
- 80% depth of discharge 600 cycles
- 50% depth of discharge 900 cycles
- 30% depth of discharge 1500 cycles
- 20% depth of discharge 1700 cycles

Constant Current Discharge Ratings - amperes at 25°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	420	288	210	126	79.2	32.8	22.9	12.7	6.32
1.67 V	378	263	204	122	79.1	32.6	22.7	12.5	6.30
1.70 V	359	253	197	120	78.8	32.6	22.7	12.4	6.30
1.75 V	319	234	186	118	78.0	32.4	22.5	12.2	6.27
1.80 V	288	217	178	114	77.0	32.3	22.3	12.0	6.05
1.85 V	218	179	154	105	76.2	32.2	22.2	11.8	5.92

Constant Power Discharge Ratings - watts at 25°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	692	478	372	238	156	62.9	43.8	25.5	12.6
1.67 V	656	472	368	233	151	62.9	43.8	25.1	12.6
1.70 V	613	460	362	227	147	62.9	43.8	24.9	12.6
1.75 V	571	430	341	221	146	61.9	43.3	24.4	12.5
1.80 V	512	400	320	215	143	61.1	42.6	24.0	12.1
1.85 V	410	331	280	197	142	60.8	42.0	23.6	11.9



Tel +44 (0) 151 523 2777
 Fax +44 (0) 151 523 0855
 E-mail info@ultracell.co.uk
 Web www.ultracell.co.uk