

# UCG 200 - 12

## 12V 200AH

### AGM GEL

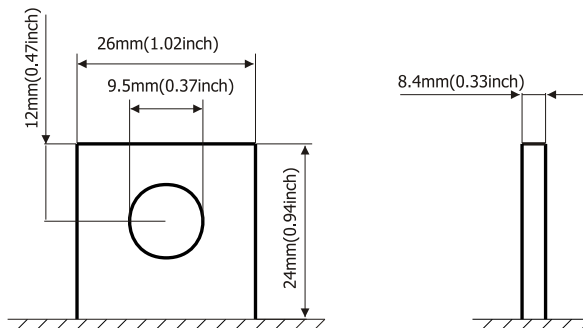
# Ultracell®

'Quality in Every Language'

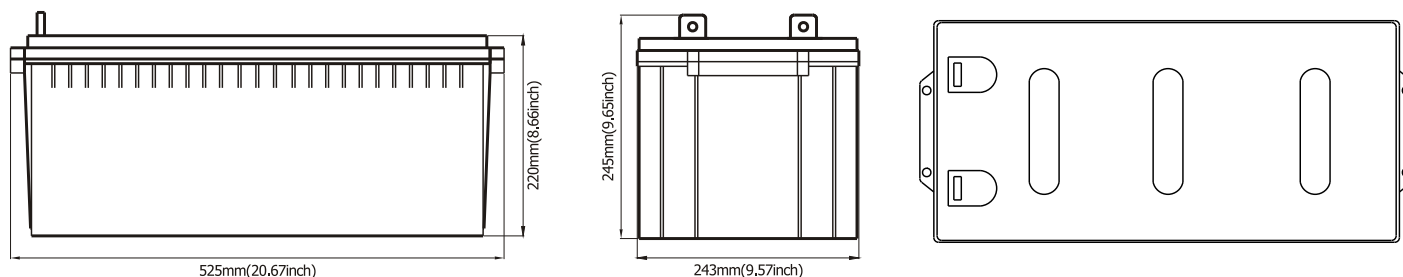
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Terminal Type



Dimensions



Specifications

Battery Model	UCG 200 - 12			
Designed Floating Life	15 Years			
Capacity (25°C)	20HR (10.4A, 1.75V)	10HR (20A, 1.75V)	5HR (34.6A, 1.75V)	1HR (123A, 1.75V)
	208AH	200AH	173AH	123AH
Dimensions	Length	Width	Height	Total Height
	525mm	243mm	220mm	245mm
Approx. Weight	63.4Kg			
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: 50A		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



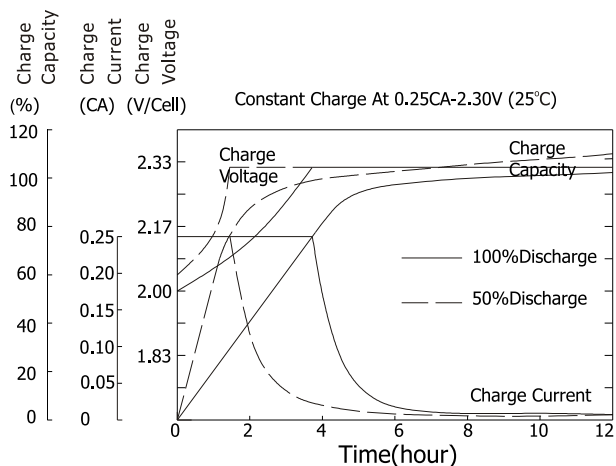
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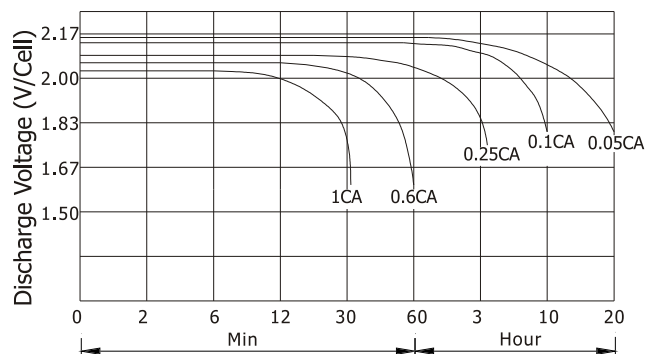
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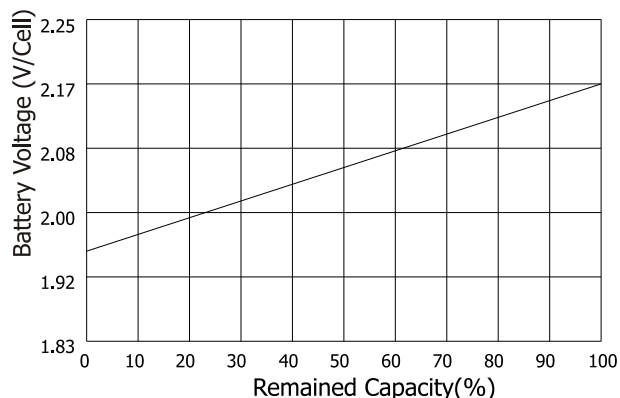
### Charge Characteristic



### 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	672	461	336	202	126	51.1	35.5	21.2	10.9
1.67 V	605	420	326	196	126	50.9	35.2	20.9	10.8
1.70 V	574	405	315	192	125	50.9	35.2	20.7	10.8
1.75 V	511	374	298	188	124	50.5	34.9	20.4	10.8
1.80 V	461	348	284	182	123	50.3	34.6	20.0	10.4
1.85 V	349	286	246	168	121	50.1	34.3	19.7	9.77

### 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	1108	764	595	380	244	99.0	68.3	42.4	21.7
1.67 V	1050	755	589	372	236	99.0	68.3	41.8	21.6
1.70 V	981	735	580	363	230	99.0	68.3	41.5	21.6
1.75 V	914	687	545	353	228	97.5	67.5	40.7	21.5
1.80 V	820	639	513	344	224	96.2	66.4	40.0	20.8
1.85 V	657	530	447	315	222	95.8	65.5	39.3	19.5



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