

# UL 9 - 12

## 12V 9AH

### STANDBY

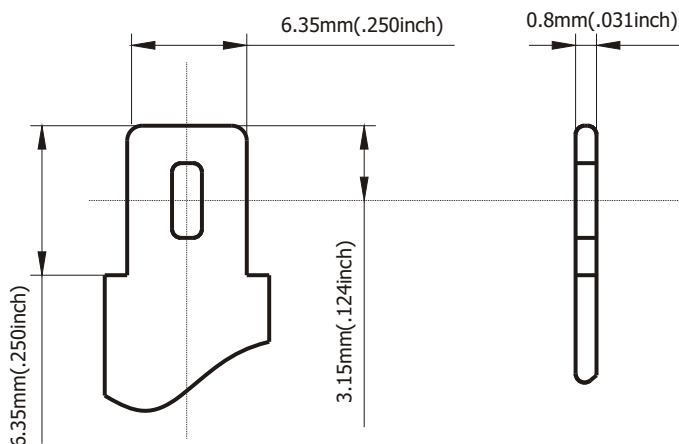
# Ultracell®

'Quality in Every Language'

Image



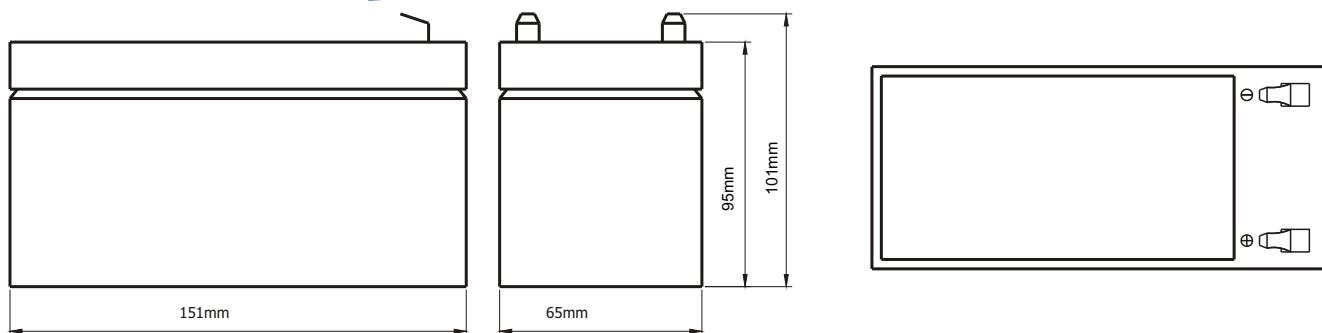
Terminal Type



**Ukai**  
 s.a.  
<http://www.ukai.com>

Ribera Elorrieta, 7C  
 48015 - Bilbao  
 Teléfono: 94 474 52 52  
 Fax: 94 475 97 10  
 E-mail: ukai@ukai.com

Dimensions



Specifications

Battery Model	UL 9 - 12			
Designed Floating Life	5 Years			
Capacity (25°C)	20HR (0.45A, 1.75V)	10HR (0.855A, 1.75V)	5HR (1.53A, 1.75V)	1HR (5.4A, 1.55V)
	9AH	8.55AH	7.65AH	5.4AH
Dimensions	Length	Width	Height	Total Height
	151mm	65mm	95mm	101mm
Approx. Weight	2.60Kg			
Internal Resistance	Fully Charged at 25°C 0.02 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	
	14.0 - 15.0V (-24mV/C), max. Current: 2.7A		13.6 - 13.8V (-18mV/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

Non-spillable construction design



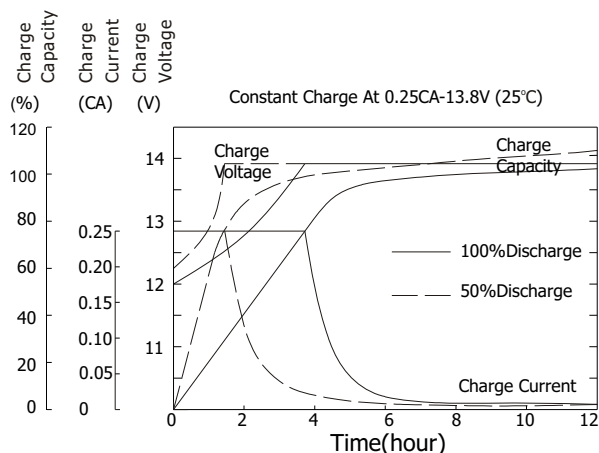
**Ukai Bilbao**  
 Ribera Elorrieta, 7C  
 48015 - Bilbao  
 Tlfno: 94 474 52 52  
 Fax 94 475 97 10  
 ukai@ukai.com

**Delegación Barcelona**  
 Tlfno: 93 284 08 98  
 Fax 93 210 67 65  
 ukaiabc@ukai.com

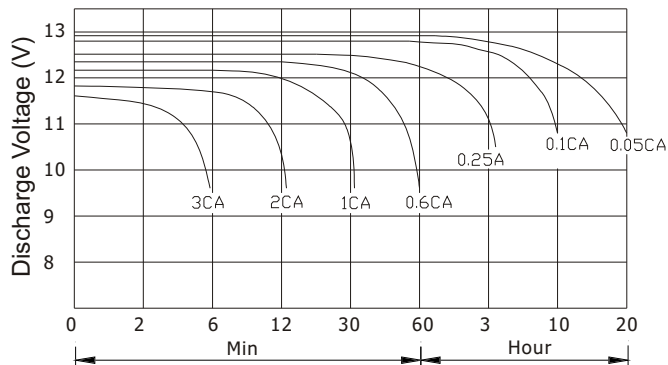
**Delegación Madrid**  
 Tlfno: 91 659 03 28  
 Fax 91 659 05 58  
 ukaimad@ukai.com

**Delegación Galicia**  
 Tlfno: 651 70 49 21  
 ukaiglc@ukai.com

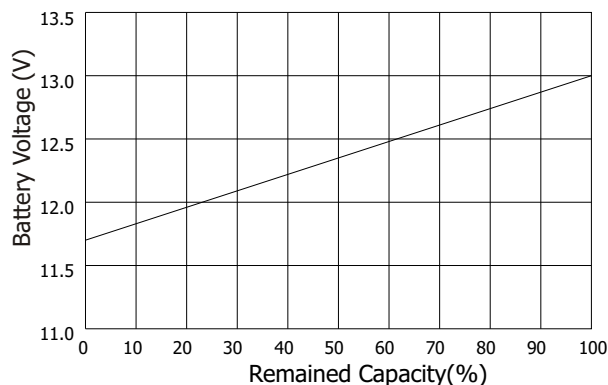
Charge Characteristic



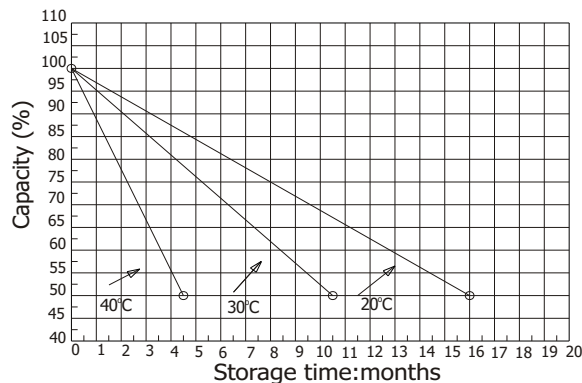
Discharge Characteristic 25°C



Relationship of OCV and state of charge



Self Discharge Characteristics



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	35.5	21.8	16.5	10.1	5.40	2.81	1.66	0.92	0.51
1.67 V	32.9	20.9	16.0	9.65	5.35	2.38	1.62	0.90	0.47
1.70 V	30.4	20.0	15.5	8.75	5.15	2.25	1.58	0.88	0.46
1.75 V	30.1	19.4	15.0	8.33	5.04	2.20	1.53	0.86	0.45
1.80 V	26.6	18.5	14.0	7.72	4.70	2.14	1.51	0.85	0.45
1.85 V	23.6	17.6	12.2	7.07	4.55	2.11	1.50	0.67	0.44

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	72.0	46.8	36.0	20.9	11.7	4.55	3.10	1.75	0.92
1.67 V	69.7	45.7	35.5	20.5	11.6	4.54	3.08	1.75	0.92
1.70 V	66.8	45.0	34.6	20.2	11.4	4.50	3.07	1.73	0.91
1.75 V	62.8	43.2	33.5	19.6	11.3	4.46	3.06	1.73	0.91
1.80 V	54.5	40.0	32.0	19.1	10.9	4.37	3.03	1.69	0.90
1.85 V	51.5	37.0	30.6	18.2	10.7	4.30	3.00	1.69	0.90