



# ESL 320-2

## 2V - 320 Ah



### Electrical specifications

Nominal Voltage	2 V	
Capacity @20-25°C to 1,8V/c	20 hour rate	346,0 Ah
	10 hour rate	307,0 Ah
	8 hour rate	292,8 Ah
	3 hour rate	247,5 Ah
	1 hour rate	207,0 Ah
Self discharge @ 20°C	per month	2,5 - 3 %
Resistance @ 20-25°C	fully charged	approx 0,4 mΩ
Impedance @ 20-25°C	fully charged	3100 S
Short Circuit @ 20°C	2400 A	
Charge Voltage @ 20-25°C	Float (-3mV/°C/c)	2,27 - 2,29 V/Cell
	Cyclic (-5mV/°C/c)	2,35 - 2,40 V/Cell

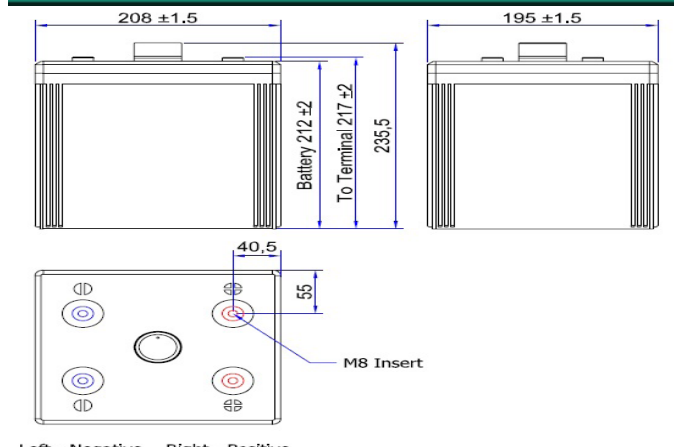
### Other specifications

Design Floating Life @ 20°C	12 Years	
Dimensions LxWxH (± 1mm)	208x195x217 mm	
Total height	236 mm	
Operating Temperature (storage)	-20 to +50 °C	
Separator	Absorbent Glass Mat	
Grid alloy	Calcium / Tin lead alloy	
Case and cover	ABS	
Electrolyte	Sulphuric Acid	
Terminal / Length	bold M8 / 16mm insert	
Optional terminal types	none	
Torque setting	7-10 Nm	
Weight	18,1 (±5%) kg	

### Innovative Features

- Completely maintenance free, sealed construction eliminates the need for adding water
- Fully tank formed plates
- Analytical grade electrolyte
- Spill proof / leak proof
- Valve regulated Max internal pressure 2,5 psi
- Multi-position usage
- ABS Case and cover
- Low self discharge
- FAA and IATA approved as non-hazardous
- Built to comply with IEC 8962, DIN 43534, BS 6290 Pt4, Eurobat

### Dimensions



### Constant Amps Discharge - Amps at 25°C

V/Cell	5m	10m	15m	20m	25m	30m	35m	40m	45m	50m	55m	60m	90m	2h	3h	4h	5h	6h	7h	8h	9h	10h	12h	20h
1,80	/	/	466	407	362	326	298	273	252	238	220	207	149	117	82,5	64,8	53,9	46,40	41,00	36,60	33,1	30,70	26,40	17,30
1,75	/	/	480	420	373	336	307	281	259	247	229	213	154	121	85,0	66,9	55,5	47,80	42,20	37,70	34,3	31,60	27,20	17,80
1,70	/	/	497	435	386	348	318	291	269	252	235	221	160	125	88,2	69,4	57,6	49,6	43,80	39,20	35,70	32,80	28,20	18,50
1,65	/	/	507	444	394	355	324	297	274	259	244	225	162	128	89,8	70,6	/	/	/	/	/	/	/	/
1,60	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/

### Constant Power Discharge - Watts per cell at 25°C

V/Cell	5m	10m	15m	20m	25m	30m	35m	40m	45m	50m	55m	60m	90m	2h	3h	4h	5h	6h	7h	8h	9h	10h	12h	20h
1,80	/	/	830	748	675	613	559	522	490	457	426	407	300	238	166	129	107,7	92,6	81,5	72,8	66,2	60,6	51,7	31,8
1,75	/	/	856	771	696	632	577	539	505	476	444	420	309	245	171	134	111,0	95,5	84,0	75,0	67,9	62,5	53,3	32,8
1,70	/	/	886	798	720	654	597	557	523	500	461	436	321	254	178	139	115	99,1	87,2	77,9	71,0	64,9	55,4	34,0
1,65	/	/	904	814	735	667	609	569	534	504	473	444	327	259	181	141	/	/	/	/	/	/	/	/
1,60	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/

Revision: 201512-1

Your Wing Dealer :

