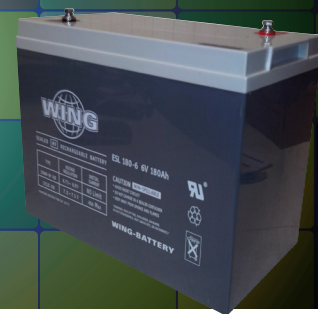




# ESL 180-6

## 6V - 180 Ah



### Electrical specifications

Nominal Voltage	6 V	
Capacity @20-25°C to 1,8V/c	20 hour rate	191,4 Ah
	10 hour rate	174,0 Ah
	8 hour rate	168,8 Ah
	3 hour rate	137,7 Ah
	1 hour rate	103,0 Ah
Self discharge @ 20°C	per month	2,5 - 3 %
Resistance @ 20-25°C	fully charged	approx 1,4 mΩ
Impedance @ 20-25°C	fully charged	1800 S
Short Circuit @ 20°C	4600 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

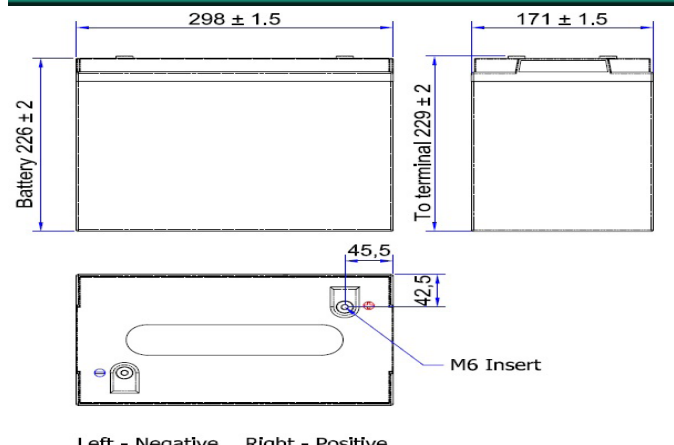
### Other specifications

Design Floating Life @ 20°C	12 Years	
Dimensions LxWxH (± 1mm)	298x171x226 mm	
Total height	229 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 M6 / 20mm insert	
Optional terminal types	none	
Torque setting	5-7 Nm	
Weight	26,4 (±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	425	324	259	219	191	170	153	140	129	120	111	103	76,2	61,7	45,9	37,3	31,2	26,90	23,70	21,10	19,1	17,40	14,90	9,57
1,75	452	344	278	233	203	181	163	149	137	126	117	110	81,0	65,6	48,8	39,7	33,2	28,70	25,20	22,40	20,5	18,50	15,80	10,20
1,70	462	352	282	238	208	185	166	152	140	128	119	112	82,8	67,0	49,9	40,6	34,0	29,30	25,80	22,90	20,80	19,00	16,20	10,40
1,65	472	360	288	243	212	189	170	155	143	129	119	115	84,7	68,6	51,0	41,5	/	/	/	/	/	/	/	/
1,60	472	360	288	243	212	189	170	155	143	132	121	115	84,7	68,6	51,0	41,5	/	/	/	/	/	/	/	/

### 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	872	597	486	416	368	333	303	277	255	244	228	208	152	120	86,1	68,4	58,0	50,6	44,7	39,9	36,2	33,1	28,3	18,6
1,75	928	635	517	443	392	355	323	295	271	251	234	221	162	128	91,6	72,8	61,7	53,9	47,5	42,5	5,74	35,2	30,1	19,8
1,70	948	649	528	453	400	362	330	301	277	261	243	226	165	131	93,6	74,4	63,1	55,10	48,6	43,4	39,6	36,0	30,8	20,2
1,65	960	658	535	458	405	367	334	305	281	263	244	229	168	132	94,8	75,3	/	/	/	/	/	/	/	/
1,60	969	664	540	463	409	371	337	308	284	266	248	231	169	134	95,7	76,1	/	/	/	/	/	/	/	/

Revision: 201512-1

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