



# ESL 180-6

## 6V - 180 Ah



### Electrical specifications

Nominal Voltage	6V - 180 Ah	
Capacity 25°C to 1,80V	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 Ah
Self discharge @ 20°C	per month	3 %
Resistance <sup>(Ohm)</sup>	1,4 mΩ	
Impedance <sup>(Siemens)</sup>	1500 S	
Short Circuit @ 25°C	4600 A	
Charge Voltage @20-25°C	Standby	2,27 - 2,29 V/Cell
	Cyclic	2,35 - 2,40 V/Cell

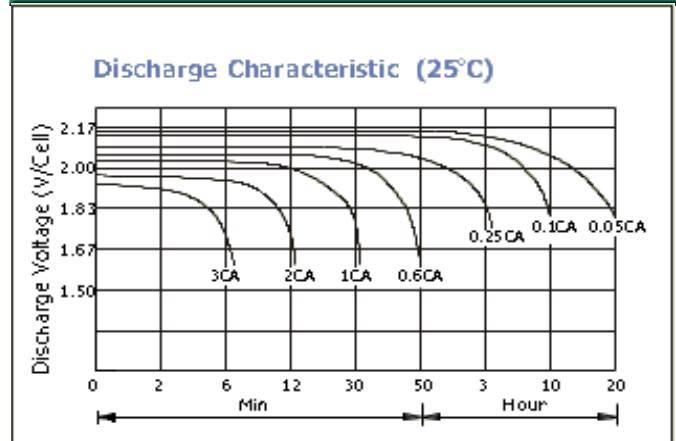
### Other specifications

Design Life	12 Years	
Dimensions LxWxH	298x171x226 mm	
Total height	237 mm	
Operating Temperature	-20 to +50 °C	
Separator	Absorbant Glass Mat	
Grid alloy	Calcium / Tin lead alloy	
Case and cover	ABS - V0	
Electrolyte	Sulphuric Acid	
Terminal / Length	M6 / 20mm insert	
Optional terminal types	Cu/Lead Flag	
Torque setting	5-7 Nm	
Weight	26,6 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 - V0
- Low self discharge
- FAA and IATA approved as non-hazardous
- Built to comply with IEC 8962, DIN 43534, BS 6290 Pt4, Eurobat

### Discharge Curve @ 25°C - Rate versus Time



### Constant Amps discharge - Amps at 20°C

V/Cell	5 min	10 min	15 min	20 min	25 min	30 min	35 min	40 min	45 min	60 min	90 min	2 hr	3 hr	4 hr	5 hr	6 hr	7 hr	8 hr	10 hr	12 hr	20 hr
1,80	425	324	259	219	191	170	153	140	129	103	76,2	61,7	45,9	37,3	31,2	26,9	23,7	21,1	17,4	14,9	9,57
1,75	452	344	276	233	203	181	163	149	137	110	81,0	65,6	48,8	39,7	33,2	28,7	25,2	22,4	18,5	15,8	10,2
1,70	462	352	282	238	208	185	166	152	140	112	82,8	67,0	49,9	40,6	34,0	29,3	25,8	22,9	19,0	16,2	10,4
1,65	467	356	285	241	210	187	168	154	142	113	83,9	67,9	50,5	41,1	-	-	-	-	-	-	-
1,60	472	360	288	243	212	189	170	155	143	115	84,7	68,6	51,0	41,5	-	-	-	-	-	-	-

### Constant Power Discharge - Watts per Cell at 20°C

V/Cell	5 min	10 min	15 min	20 min	25 min	30 min	35 min	40 min	45 min	60 min	90 min	2 hr	3 hr	4 hr	5 hr	6 hr	7 hr	8 hr	10 hr	12 hr	20 hr
1,80	872	597	486	416	368	333	303	277	255	208	152	120	86,1	68,4	58,0	50,6	44,7	39,9	33,1	28,3	18,6
1,75	928	635	517	443	392	355	323	295	271	221	162	128	91,6	72,8	61,7	53,9	47,5	42,5	35,2	30,1	19,8
1,70	948	649	528	453	400	362	330	301	277	226	165	131	93,6	74,4	63,1	55,1	48,6	43,4	36,0	30,8	20,2
1,65	960	658	535	458	405	367	334	305	281	229	168	132	94,8	75,3	-	-	-	-	-	-	-
1,60	969	664	540	463	409	371	337	308	284	231	169	134	95,7	76,1	-	-	-	-	-	-	-

Revision: 201410

Your Wing Dealer :



Wetac Stand-by bv (NL)  
Wetac Stand-by bv (CZ)  
Wetac UK Ltd.  
BSOL Batteriesysteme GmbH

orderdesk@wetac.nl  
orderdesk@wetac.nl  
technicaluk@wetac.com  
info@bsol.de

00 31 (0)318 696 190  
00 420 732 172 800  
00 44 (0)1204 366 728  
00 49 (0)2173 330 330

