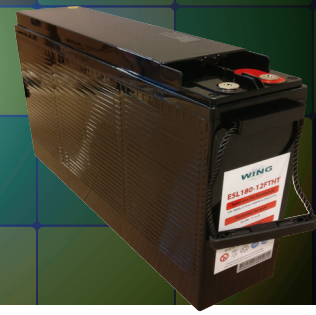




# ESL 180-FTHT

## 12V - 180 Ah



### Electrical Specifications @ 25°C

Nominal Voltage		12 V
Capacity	C10 / 1,80V	180 Ah
	C5 / 1,75V	161,5 Ah
	C3 / 1,70V	148,5 Ah
	C1 / 1,60V	118 Ah
Self Discharge @20°C	per Month	≈ 3 %
Resistance	fully charged	≈ 4 mΩ
Standby use	+/- 1%	2,20-2,30 V
Temp. correction factor	+/- 1%	-20 mV / °C /c
Cyclic use	+/- 1%	2,40-2,45 V
Max. charging current	+/- 1%	54 A
Temp. correction factor		-30 mV / °C /c

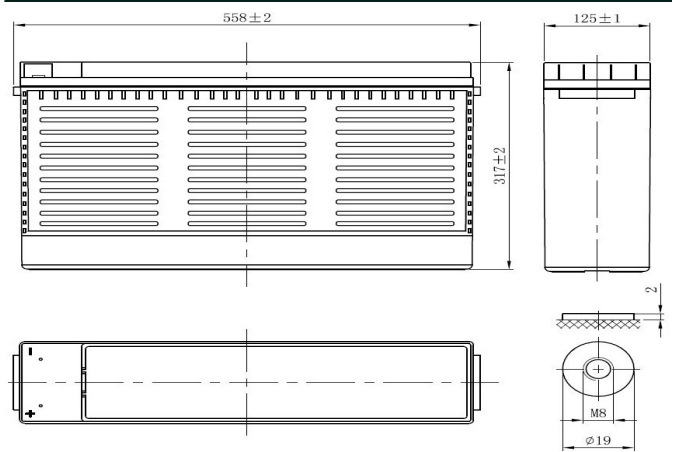
### Other Specifications @ 25°C

Design Life @35°C	12 Years
Dimensions (LxWxH1) ± 3	558x125x317 mm
Total Height (H2)	317 mm
Operating temp.	-30 ~ +80 °C
Charge Operation temp	-10 ~ 70 °C
Container	ABS
Separator	Fiberglass
Electrolyte	Acid
Terminal / Length	M8 / 16 bold / mm
Optional terminal types	-
Torque setting	8 Nm
Weight (±2%)	58,5 kg

### Innovative Features

- Wide operating temperature range : -30 °C to +80 °C
- Patented anti-corrosion grid technology
- Special Battery separator technology
- Special Containers & lids with thermostability
- Special structure design with compression resistance and impact resistance
- Save 50% cost of air conditioners power consumption
- 100% air conditioner maintenance saving
- 30% CO2 gas emission reduce;
- 100% condensing agent saving, no condensing agent pollution

### Dimensions / Pole settings



### Constant Current Discharge - Ampere @ 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	308	261	238	217	195	176	162	149	135	124	118	109	82,8	66,5	48,0	38,4	32,1	27,6	24,4	22,0	20,0	18,0	15,5	9,72
1,75	336	285	254	226	201	181	166	150	138	127	120	111	84,4	67,7	48,8	39,0	32,3	27,8	24,5	22,1	20,1	18,1	15,6	9,77
1,70	363	308	269	237	208	187	168	153	140	129	123	114	86,6	69,5	49,5	39,6	32,6	28,0	24,8	22,2	20,2	18,2	15,7	9,83
1,65	392	332	285	251	217	192	173	156	143	132	125	116	88,2	70,8	50,3	40,2	32,8	28,2	24,9	22,3	20,3	18,3	15,7	9,88
1,60	419	355	300	258	223	197	177	158	145	133	127	118	89,7	72,0	51,0	40,8	33,0	28,4	25,1	22,4	20,4	18,4	15,8	9,94

### Constant Power Discharge - Watt @ 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	595	492	435	392	356	318	289	269	251	231	220	208	154	125	94,0	74,3	62,0	53,3	47,1	42,2	37,8	34,7	30,4	19,8
1,75	626	517	458	412	367	328	298	275	257	236	225	212	157	127	95,0	75,1	62,5	53,8	47,5	42,5	38,1	35,0	30,6	20,0
1,70	655	541	480	432	380	339	308	280	262	241	230	217	161	130	96,0	75,8	63,1	54,3	48,0	42,9	38,5	35,3	30,9	20,2
1,65	685	566	503	453	391	349	318	287	268	247	234	221	164	132	97,0	76,6	63,6	54,7	48,3	43,2	38,8	35,6	31,2	20,4
1,60	714	590	525	473	403	360	328	293	274	252	239	225	167	134	98,0	77,4	64,1	55,1	48,7	43,6	39,1	35,9	31,4	20,5

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