



# ESL 150-FTHT

## 12V - 150 Ah



### Electrical Specifications @ 25°C

Nominal Voltage		12 V
Capacity	C10 / 1,80V	150 Ah
	C5 / 1,75V	142 Ah
	C3 / 1,70V	135 Ah
	C1 / 1,60V	111 Ah
Self Discharge @20°C	per Month	≈ 3 %
Resistance	fully charged	≈ 4,5 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%	45 A
Temp. correction factor		-30 mV / °C / c

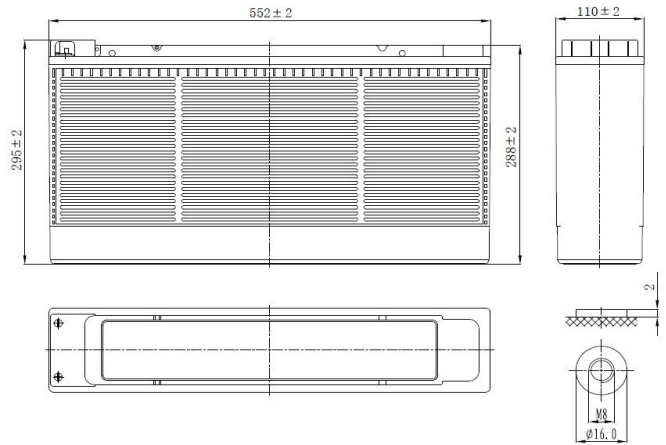
### Other Specifications @ 25°C

Design Life @35°C		12 Years
Dimensions (LxWxH1) ± 3		552x110x295 mm
Total Height (H2)		295 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%)		48,8 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
<b>1,80</b>	242	210	195	177	164	149	139	130	120	113	106	99,9	73,9	59,9	43,4	34,0	27,8	23,9	20,8	18,4	16,6	15,0	12,6	7,80
<b>1,75</b>	270	235	214	195	173	157	146	135	125	118	109	103	76,2	61,8	44,4	34,8	28,4	24,3	21,1	18,6	16,8	15,1	12,7	7,85
<b>1,70</b>	299	260	233	206	185	164	153	139	129	121	112	106	78,4	63,6	45,3	35,6	29,0	24,7	21,4	18,8	16,9	15,2	12,8	7,90
<b>1,65</b>	328	285	252	219	193	171	159	144	133	125	116	109	80,7	65,4	46,2	36,3	29,6	25,0	21,6	19,0	17,0	15,3	12,9	7,96
<b>1,60</b>	357	310	270	235	203	178	161	148	137	129	118	111	82,1	66,6	47,1	37,1	30,2	25,3	21,8	19,2	17,1	15,4	12,9	8,01

### 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
<b>1,80</b>	504	420	381	343	311	273	248	232	215	202	192	181	139	113	84,3	66,8	55,3	47,3	41,6	37,1	33,2	33,1	25,2	15,7
<b>1,75</b>	528	440	394	355	319	280	255	237	219	205	195	184	141	115	85,3	67,6	55,9	47,9	42,1	37,5	33,6	30,4	25,5	15,9
<b>1,70</b>	552	460	407	366	326	286	260	241	223	208	198	186	143	116	86,3	68,4	56,5	48,5	42,5	37,9	34,0	30,7	25,7	16,0
<b>1,65</b>	575	479	420	378	333	292	266	245	227	211	200	188	145	117	87,2	69,2	57,1	49,0	42,9	38,3	34,3	31,0	26,0	16,2
<b>1,60</b>	598	498	432	389	340	298	271	248	230	214	202	190	146	118	88,1	69,9	57,6	49,5	43,3	38,6	34,6	31,3	26,2	16,4

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