



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

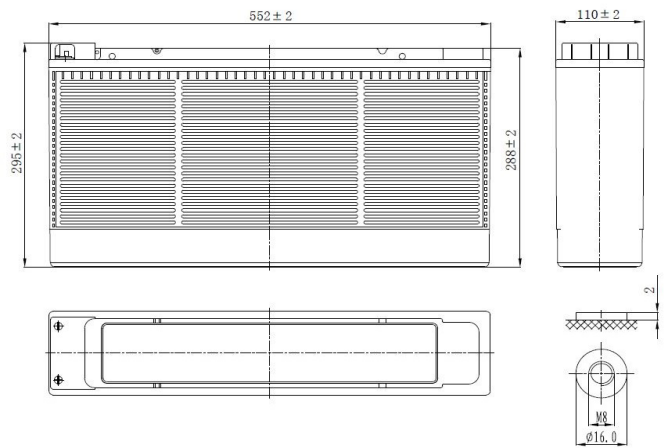
Other Specifications @ 25°C

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		± 12.4 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
1,80	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
1,75	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
1,70	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
1,65	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
1,60	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
1,80	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
1,75	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
1,70	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
1,65	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
1,60	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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