



# ESL 7-12

## 12V - 7 Ah



### Electrical specifications

Nominal		12V - 7 Ah
Capacity 25°C @ 1,8V/c	20h	7 Ah
	10h	6,6 Ah
	8h	- Ah
	3h	5,25 Ah
	1h	4,27 Ah
Self discharge @ 25°C	per month	3 %
Resistance (Ohm)	fully charged	Approx. 28 mΩ
I <sub>max</sub> Charge		2,8 A
I <sub>max</sub> Discharge		108 (5 sec) A
Charge Voltage @25°C	Standby	2,26 - 2,30 V/Cell
Charge Voltage @25°C	Cyclic	2,41 - 2,48 V/Cell

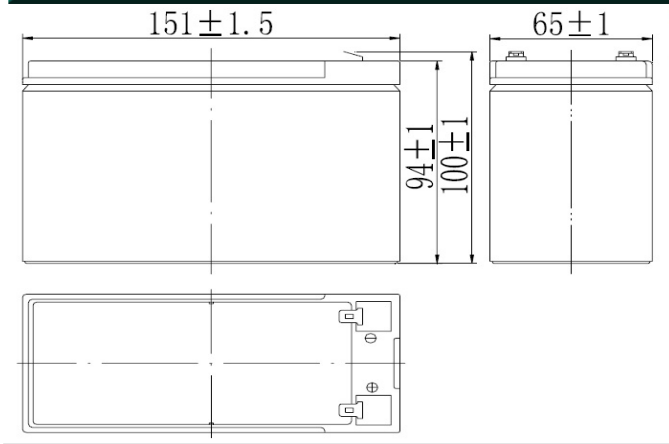
### Other specifications

Design Life		12 Years
Dimensions L x W x H		151 x 65 x 94 mm
Total height		100 mm
Operating Temperature		-20 to +50 °C
Separator		Absorbant Glass Mat
Grid alloy		Calcium / Tin lead alloy
Case and cover		ABS
Electrolyte		Sulphuric Acid
Terminal / Length		T1/T2 faston
Optional terminal types		-
Torque setting		- Nm
Weight		2,20 (±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 Container
- 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	5 min	10 min	15 min	30 min	60 min	2 hr	3 hr	4 hr	5 hr	10 hr	20 hr
1,80	23.0	14.5	11.8	6.82	4.27	2.42	1.75	1.40	1.19	0.66	0.35
1,75	24.4	15.4	12.4	7.07	4.40	2.48	1.80	1.44	1.22	0.67	0.36
1,70	25.4	16.1	12.9	7.25	4.49	2.52	1.81	1.45	1.23	0.67	0.36
1,65	26.5	16.8	13.4	7.48	4.61	2.54	1.83	1.46	1.24	0.68	0.36
1,60	27.4	17.3	13.7	7.63	4.68	2.56	1.84	1.47	1.25	0.68	0.37

### Constant Power Discharge - Watts at 25°C

V/Cell	5 min	10 min	15 min	30 min	60 min	2 hr	3 hr	4 hr	5 hr	10 hr	20 hr
1,80	256	164	134	78.1	49.4	28.3	20.7	16.6	14.2	7.87	4.23
1,75	272	173	142	81.1	51.0	29.0	21.4	17.2	14.6	8.04	4.32
1,70	284	181	147	83.1	52.0	29.5	21.5	17.3	14.7	8.08	4.35
1,65	296	189	152	85.7	53.4	29.7	21.7	17.4	14.8	8.12	4.37
1,60	305	195	156	87.5	54.2	29.9	21.8	17.5	14.9	8.16	4.38

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