



# ESL 100-12FT

## 12V - 100 Ah



### Electrical specifications

Nominal Voltage	12V - 100 Ah	
Capacity 25°C to 1,8V	20 hour rate	118,0 Ah
	10 hour rate	101,0 Ah
	8 hour rate	96,0 Ah
	3 hour rate	74,4 Ah
	1 hour rate	60,7 Ah
Self discharge @ 20°C	per month	2-2.5 %
Resistance <sup>(Ohm)</sup>	5,80 mΩ	
Impedance <sup>(Siemens)</sup>	846 S	
Short Circuit @ 20°C	- A	
Charge Voltage @20-25°C	Standby	2,27 - 2,29 V/Cell
	Cyclic	2,35 - 2,40 V/Cell

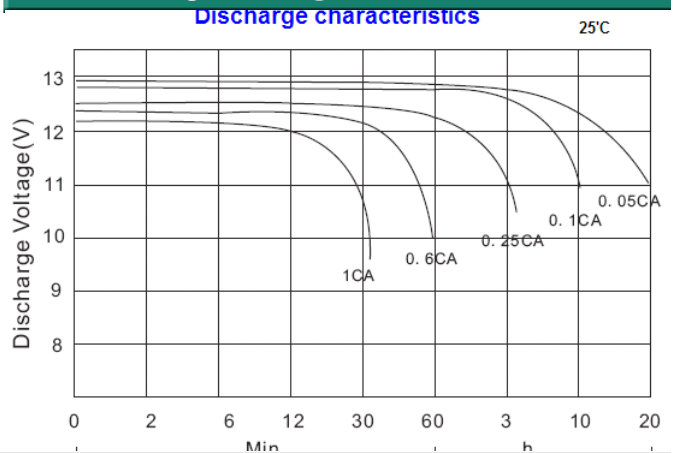
### Other specifications

Design Life	12 Years	
Dimensions LxWxH	395x110x286 mm	
Total height	286 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 / 12mm insert	
Optional terminal types	Cu/Lead Flag	
Torque setting	5-7 Nm	
Weight	34,4 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 25°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	215	152	121	115	99	92.7	84.4	77.8	72.4	60.7	40.5	32.4	24.8	19.8	17.1	14.9	13.3	12.0	10.1	8.8	5.9
1.75	238	164	130	119	102	94.5	87.0	80.0	74.0	62.3	41.5	33.2	25.1	20.2	17.2	14.9	13.4	12.0	10.1	8.8	5.9
1.70	261	176	138	123	106	97.0	89.0	82.0	76.0	63.8	42.6	34.0	25.4	20.4	17.3	15.0	13.4	12.0	10.1	8.8	5.9
1.65	283	188	147	127	110	99.5	91.0	84.0	78.0	65.3	43.6	34.8	25.7	20.6	17.4	15.1	13.5	12.1	10.2	8.9	6.0
1.60	305	200	156	131	114	102.0	93.0	86.0	80.0	66.8	44.6	35.6	26.0	20.8	17.5	15.2	13.5	12.1	10.2	8.9	6.0

### Constant Power Discharge - Watts per Cell at 25°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	367	262	219	210	185	175.3	159.5	147	137.5	115	77.0	61.5	47.5	38.0	33.6	29.3	26.3	23.8	20.0	17.4	11.7
1,75	407	283	235	217	192	180	163.4	150	140.8	118	78.7	63.2	48.1	38.5	33.7	29.4	26.3	23.8	20.1	17.4	11.7
1,70	445	303	251	224	199	184.5	167.4	154	144.3	121	80.7	64.7	48.7	39.0	33.9	29.5	26.4	23.9	20.1	17.5	11.7
1,65	483	323	267	232	206	188.5	171.5	158	147.8	124	82.7	66.2	49.3	39.5	34.1	29.7	26.4	24.0	20.2	17.5	11.8
1,60	521	343	282	239	213	192.8	175.4	162	151.3	127	84.7	67.7	49.9	39.9	34.3	29.9	26.5	24.0	20.2	17.6	11.8

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Your Wing Dealer :



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