



ESL 100 - 12 FTS

12V - 100 Ah

Electrical specifications

Nominal Voltage		12 V
Capacity 25°C to 1,8V/c	20 hour rate	99 Ah
	10 hour rate	92,1 Ah
	8 hour rate	89,9 Ah
	3 hour rate	75,1 Ah
	1 hour rate	60,3 Ah
Self discharge @ 25°C	per month	2,5 - 3 %
Internal Resistance	fully charged	approx 3,9 mΩ
Maximum current @ 25°C	charging	25 A
	discharging	(5sec) A
Charge Voltage @25°C	Float (-18mV/°C)	2,25 - 2,29 V/Cell
Charge Voltage @25°C	Cyclic (-24mV/°C)	2,37 - 2,41 V/Cell

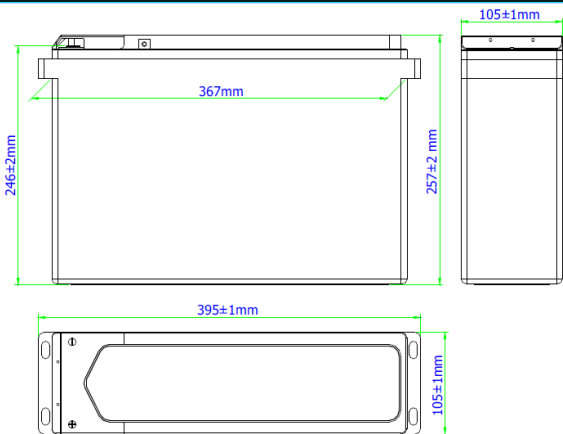
Other specifications

Design Floating Life @20°C		12 Years
Dimensions LxWxH (± 2mm)		396x105x258 mm
	Total height	258 mm
Operating Temperature (storage)		-20 to +50 °C
Separator		Absorbent Glass Mat
Grid alloy		Calcium / Tin lead alloy
Case and cover		ABS
Electrolyte		Sulphuric Acid
Terminal / Length		M6 / 16mm insert
Optional terminal types		none
Torque setting		5-7 Nm
Weight		27,4 (±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 Case and cover
- 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	5min	10min	15min	20min	25min	30min	35min	40min	45min	60min	90min	2h	3h	4h	5h	6h	7h	8h	10h	12h	20h	24h
1,80	250	193	163	138	119	104	91.9	83.3	75.9	60.3	43.0	34.3	25.0	19.9	16.7	14.4	12.7	11.2	9.21	7.81	4.96	4.23
1,75	270	203	169	142	121	106	93.6	84.6	77.0	61.0	43.7	34.7	25.3	20.1	16.9	14.6	12.8	11.4	9.31	7.91	5.03	4.29
1,70	289	212	174	145	123	107	94.6	85.4	77.7	61.5	44.1	35.0	25.6	20.3	17.1	14.8	13.0	11.5	9.43	8.00	5.10	4.35
1,65	299	220	178	147	125	109	95.5	86.2	78.3	62.0	44.5	35.3	25.7	20.5	-	-	-	-	-	-	-	-
1,60	318	227	181	149	126	110	96.5	86.9	79.0	62.3	44.7	35.5	25.9	20.6	-	-	-	-	-	-	-	-

Constant Power Discharge - Watts/Cell at 25°C

V/Cell	5min	10min	15min	20min	25min	30min	35min	40min	45min	60min	90min	2h	3h	4h	5h	6h	7h	8h	10h	12h	20h	24h
1,80	358	318	274	241	213	189	170	157	143	115	85.3	68.5	49.9	39.7	32.8	28.3	25.0	22.3	18.5	15.8	10.0	8.52
1,75	401	338	287	250	220	196	175	160	147	117	86.6	69.7	51.0	40.2	33.2	28.8	25.3	22.6	18.8	16.0	10.2	8.67
1,70	441	355	298	258	226	200	180	163	149	119	87.6	70.8	51.3	40.5	33.6	29.1	25.6	22.8	18.9	16.2	10.3	8.74
1,65	465	365	307	263	231	202	182	165	150	120	88.2	71.3	51.6	41.0	-	-	-	-	-	-	-	-
1,60	480	375	312	268	234	204	184	166	151	121	88.8	71.7	51.9	41.2	-	-	-	-	-	-	-	-

Revision: 201604

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