



# ESL 100 - 12 FT

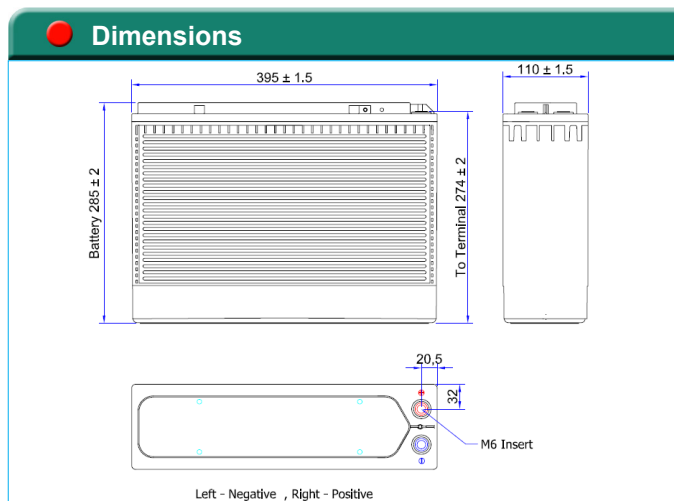
## 12V - 100 Ah



Electrical specifications			
Nominal Voltage			12 V
Capacity 25°C to 1,8V/c	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 @ 25°C	per month		2,5 - 3 %
Internal Resistance	fully charged		6,09 mΩ
Impedance	fully charged		860 S
Maximum current	charging		10 A
Charge Voltage @25°C	Float (-3mV/°C/c)	2,25 - 2,29	V/Cell
	Cyclic (-5mV/°C/c)	2,37 - 2,40	V/Cell

- | 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                        |

Other specifications			
Design Floating Life @20°C			12 Years
Dimensions LxWxH (± 2mm)		395x110x285	mm
	Total height		285 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 / 12mm	insert
Optional terminal types		none	
Torque setting		8,5	Nm
Weight		34,0 (±5%)	kg



Constant Amps discharge - Amps at 25°C																					
V/Cell	5min	10min	15min	20min	25min	30min	35min	40min	45min	50min	55min	60min	90min	2h	3h	4h	5h	6h	7h	8h	20h
1,80	215	152	121	115	99,0	92,7	84,4	77,8	72,4	67,9	64,0	60,7	40,5	32,4	24,8	19,8	17,1	14,9	13,3	12,0	8,80
1,75	238	164	130	119	102	94,5	87,0	80,0	74,0	69,6	65,5	62,3	41,5	33,2	25,1	20,2	17,2	14,9	13,4	12,0	8,80
1,70	261	176	138	123	106	97,0	89,0	82,0	76,0	71,4	67,0	63,8	42,6	34,0	25,4	20,4	17,3	15,0	13,4	12,0	8,80
1,65	283	188	147	127	110	99,5	91,0	84,0	78,0	73,2	68,5	65,3	43,6	34,8	25,7	20,6	17,4	15,1	13,5	12,1	8,90
1,60	305	200	156	131	114	102	93,0	86,0	80,0	75,0	70,0	66,8	44,6	35,6	26,0	20,8	17,5	15,2	13,5	12,1	8,90

Constant Power Discharge - Watts/Cell at 25°C																					
V/Cell	5min	10min	15min	20min	25min	30min	35min	40min	45min	50min	55min	60min	90min	2h	3h	4h	5h	6h	7h	8h	20h
1,80	367	262	219	210	185	175	160	147	138	129	122	115	77,0	61,5	47,5	38,0	33,6	29,3	26,3	23,8	17,4
1,75	407	283	235	217	192	180	163	150	141	132	125	118	78,7	63,2	48,1	38,5	33,7	29,4	26,3	23,8	17,4
1,70	445	303	251	224	199	185	167	154	144	135	128	121	80,7	64,7	48,7	39,0	33,9	29,5	26,4	23,9	17,5
1,65	483	323	267	232	206	189	172	158	148	139	131	124	82,7	66,2	49,3	39,5	34,1	29,7	26,4	24,0	17,5
1,60	521	343	282	239	213	193	175	162	151	142	134	127	84,7	67,7	49,9	39,9	34,3	29,9	26,5	24,0	17,6

Revision: 201512-1

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