



# ESL 55 - 12 FT

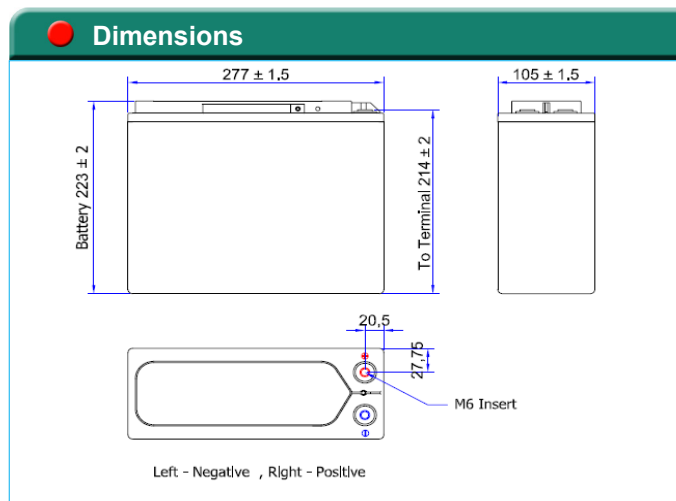
## 12V - 55 Ah



Electrical specifications		
Nominal Voltage		12 V
Capacity 25°C to 1,8V/c	20 hour rate	59,4 Ah
	10 hour rate	56,1 Ah
	8 hour rate	54,4 Ah
	3 hour rate	43,8 Ah
	1 hour rate	36,2 Ah
Self discharge @ 25°C	per month	2,5 - 3 %
Internal Resistance	fully charged	9,6 mΩ
Impedance	fully charged	633 S
Maximum current	charging	8 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)		277x105x223 mm
	Total height	223 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 insert	
Optional terminal types	none	
Torque setting	8 Nm	
Weight	17,7 (±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	9h	10h	12h	20h
1,80	123	90,0	73,0	70,0	62,0	58,1	53,3	49,4	46,3	43,7	41,4	36,2	24,5	19,4	14,6	11,5	9,79	8,50	7,60	6,80	6,20	5,61	4,80	2,97
1,75	136	97,0	79,0	72,5	64,0	59,5	54,5	51,0	48,0	44,8	42,5	36,3	26,6	19,9	15,0	11,6	9,90	8,50	7,60	6,80	6,20	5,61	4,80	2,97
1,70	149	104	84,0	75,0	67,0	61,0	56,0	52,0	49,0	45,9	43,6	36,9	26,7	20,4	15,1	11,8	9,90	8,60	7,60	6,80	6,20	5,61	4,80	2,97
1,65	162	111	89,0	77,5	69,0	62,5	57,5	53,0	50,0	47,0	44,8	36,9	26,8	20,8	15,2	12,0	10,0	8,60	7,70	6,90	6,20	5,61	4,90	2,97
1,60	175	118	94,0	80,0	71,0	64,0	59,0	54,0	51,0	48,0	46,0	36,9	26,9	21,3	15,3	12,1	10,1	8,70	7,70	6,90	6,20	5,72	4,90	3,08

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	9h	10h	12h	20h
1,80	254	156	132	129	115	110	101	93,4	87,9	83,0	78,7	70,0	46,5	36,8	28,0	22,1	19,4	16,8	14,9	13,5	12,2	11,1	9,70	6,16
1,75	273	162	141	132	120	113	103	90,0	90,0	85,3	80,5	70,6	47,6	37,5	29,5	22,4	19,6	16,9	15,0	13,5	12,2	11,2	9,70	6,16
1,70	292	176	151	137	124	116	106	94,7	92,2	87,3	82,5	70,6	48,8	38,5	29,6	22,6	19,7	16,9	15,0	13,5	12,2	11,3	9,80	6,27
1,65	311	190	161	142	128	118	108	98,7	94,5	89,3	84,5	70,7	50,0	39,5	29,7	22,8	19,8	17,0	15,1	13,6	12,2	11,4	9,80	6,27
1,60	330	204	171	147	132	121	111	103	96,7	91,3	86,5	71,0	51,2	40,5	29,4	23,2	19,9	17,1	15,1	13,6	12,3	11,6	9,80	6,38

Revision: 201512-1

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