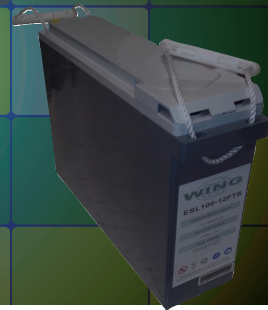




ESL 100 - 12 FTS

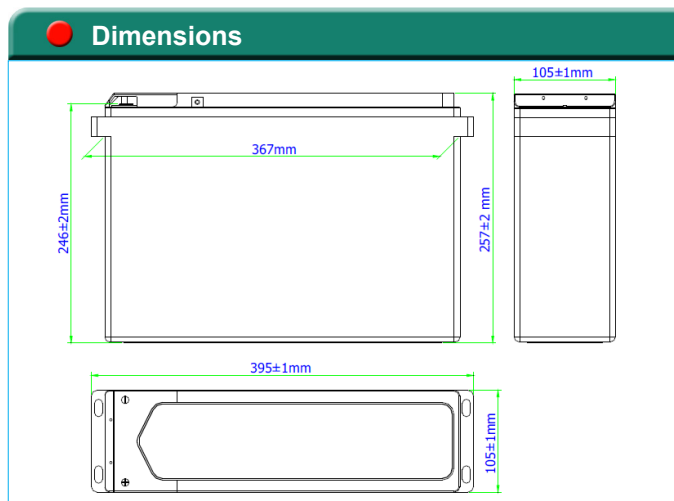
12V - 100 Ah



Electrical specifications		
Nominal Voltage		12 V
Capacity 25°C to 1,8V/c	20 hour rate	99,0 Ah
	10 hour rate	85,0 Ah
	8 hour rate	82,4 Ah
	3 hour rate	72,6 Ah
	1 hour rate	60,0 Ah
Self discharge @ 25°C	per month	2,5 - 3 %
Internal Resistance	fully charged	3,9 mΩ
Impedance	fully charged	1280 S
Maximum current	charging	10 A
Charge Voltage @25°C	Float (-3mV/°C/c)	2,25 - 2,29 V/Cell
Charge Voltage @25°C	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)		395x105x257 mm
	Total height	257 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	



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	/	/	156	135	115	102	90,7	82,2	75,3	69,2	64,3	60,0	43,0	33,8	24,2	19,1	15,8	13,4	11,7	10,3	9,4	8,5	7,23	4,95
1,75	/	/	166	144	122	109	96,4	87,4	80,2	73,0	68,0	63,8	45,8	36,0	25,7	20,3	16,8	14,2	12,4	11,0	9,8	9,0	7,69	4,95
1,70	/	/	170	147	125	111	99,0	89,3	81,9	74,6	70,1	65,2	46,8	36,7	26,3	20,7	17,1	14,6	12,7	11,2	10,1	9,2	7,86	4,96
1,65	/	/	172	149	127	113	100	90,5	83,0	75,8	70,4	66,0	47,4	37,2	26,6	21,0	/	/	/	/	/	/	/	/
1,60	/	/	173	150	128	114	101	91,3	83,8	77,2	71,3	66,7	47,9	37,6	26,9	21,2	/	/	/	/	/	/	/	/

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	/	/	295	252	221	197	177	163	149	138	129	121	87,5	69,0	48,9	38,7	32,2	27,6	24,2	21,4	19,3	17,4	14,7	8,9
1,75	/	/	314	268	236	210	189	173	159	146	138	129	93,1	73,4	52,1	41,2	34,2	29,4	25,7	22,8	20,6	18,6	15,6	9,5
1,70	/	/	320	274	241	214	193	177	162	150	140	135	95,1	75,0	53,2	42,1	35,0	30,0	26,3	23,3	21,0	19,0	16,0	9,7
1,65	/	/	325	278	244	217	195	179	164	154	143	136	96,3	76,0	53,9	42,6	/	/	/	/	/	/	/	/
1,60	/	/	328	280	246	219	197	181	165	155	144	134	97,3	76,7	54,4	43,0	/	/	/	/	/	/	/	/

Revision: 201512-1

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