



ESL 120-12

12V - 120 Ah



Electrical specifications

Nominal Voltage	12 V	
Capacity @20-25°C to 1,8V/c	20 hour rate	127,0 Ah
	10 hour rate	119,0 Ah
	8 hour rate	116,0 Ah
	3 hour rate	98,7 Ah
	1 hour rate	77,1 Ah
Self discharge @ 20°C	per month	2,5 - 3 %
Resistance @ 20-25°C	fully charged	approx 3 mΩ
Impedance @ 20-25°C	fully charged	1400 S
Short Circuit @ 20°C	3300 A	
Charge Voltage @ 20-25°C	Float (-3mV/°C/c)	2,27 - 2,29 V/Cell
	Cyclic (-5mV/°C/c)	2,35 - 2,40 V/Cell

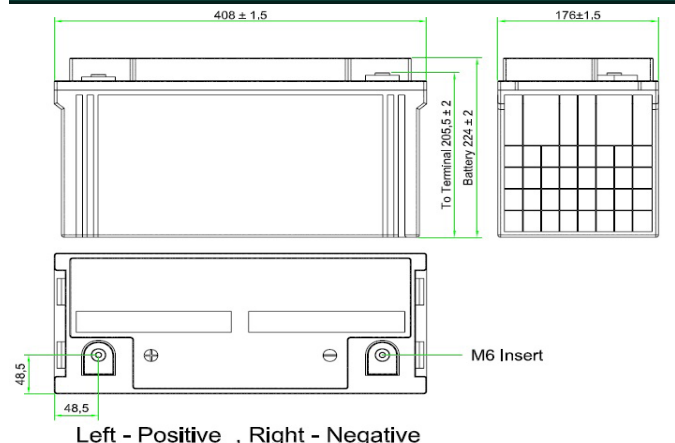
Other specifications

Design Floating Life @ 20°C	12 Years	
Dimensions LxWxH (± 1mm)	408x176x224 mm	
Total height	224 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	bold M6 / 20mm insert	
Optional terminal types	none	
Torque setting	5-7 Nm	
Weight	37,4 (±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	5	10	15	20	25	30	35	40	45	50	55	60	90	2h	3h	4h	5h	6h	7h	8h	9h	10h	12h	20h
1,80	350	244	202	170	147	129	116	106	96,7	90,5	83,2	77,1	56,1	44,8	32,9	26,3	21,7	18,7	16,3	14,5	13,1	11,9	10,1	6,35
1,75	372	260	215	181	156	138	124	112	103	95,1	88,4	82,1	59,7	47,7	35,0	28,0	23,1	19,9	17,4	15,4	14,1	12,7	10,8	6,76
1,70	381	265	220	185	159	141	127	115	105	96,5	91,1	83,9	61,0	48,7	35,7	28,6	23,6	20,3	17,8	15,8	14,3	12,9	11,0	6,91
1,65	385	269	223	187	161	142	128	116	106	98,0	91,3	84,9	61,8	49,3	36,2	28,9	/	/	/	/	/	/	/	/
1,60	389	271	225	189	163	144	129	117	107	100	93,2	85,8	62,4	49,8	36,5	29,2	/	/	/	/	/	/	/	/

Constant Power Discharge - Watts per cell at 25°C

V/Cell	5	10	15	20	25	30	35	40	45	50	55	60	90	2h	3h	4h	5h	6h	7h	8h	9h	10h	12h	20h
1,80	924	519	379	306	265	235	214	196	182	169	156	146	108	85,5	62,0	49,0	41,0	34,9	30,5	27,0	24,5	22,2	18,9	12,0
1,75	982	552	403	326	282	250	228	209	193	180	168	156	115	91,0	66,0	52,2	43,6	37,2	32,4	28,8	26,0	23,6	20,1	12,7
1,70	1004	565	412	333	288	256	233	213	198	182	171	159	118	93,0	67,4	53,3	44,6	38,0	33,1	29,4	26,5	24,1	20,5	13,0
1,65	1017	572	417	337	292	259	236	216	200	185	173	161	119	94,2	68,3	54,0	/	/	/	/	/	/	/	/
1,60	1027	577	421	340	295	261	238	218	202	188	176	163	120	95,1	68,9	54,5	/	/	/	/	/	/	/	/

Revision: 201512-1

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