



ESL 9-12

12V - 9 Ah

Electrical specifications

Nominal Voltage		12V - 9 Ah
Capacity 25°C	20h (10,8V)	9,2 Ah
	10h (10,5V)	9,0 Ah
	5h (10,5V)	8,25 Ah
	3h (10,5V)	7,23 Ah
	1h (9,60V)	6,11 Ah
Self discharge @ 25°C	per month	3 %
Resistance ^(Ohm)		Approx. 19 mΩ
I _{max} Charge		2,7 A
I _{max} Discharge		135 (5sec) A
Charge Voltage @20-25°C	Standby	2,26 - 2,30 V/Cell
	Cyclic	2,41 - 2,48 V/Cell

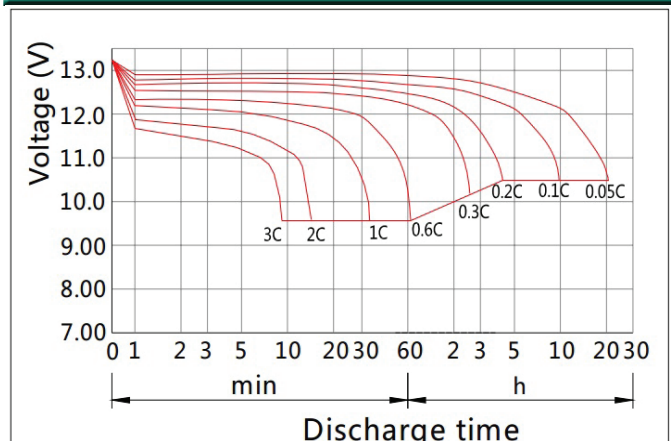
Other specifications

Design Life		12 Years
Dimensions LxWxH		151x65x94 mm
	Total height	100 mm
Operating Temperature		-20 to +50 °C
Separator		Absorbant Glass Mat
Grid alloy		Calcium / Tin lead alloy
Case and cover		ABS - V0
Electrolyte		Sulphuric Acid
Terminal / Length		T1/T2 faston
Optional terminal types		-
Torque setting		- Nm
Weight		2,65 (±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 - V0
- Low self discharge
- FAA and IATA approved as non-hazardous
- Built to comply with IEC 8962, DIN 43534, BS 6290 Pt4, Eurobat

Discharge Curve @ 25°C - Rate versus Time



Constant Amps discharge - Amps at 25°C

V/Cell	5 min	10 min	15 min	30 min	60 min	2 hr	3 hr	4 hr	5 hr	10 hr	20 hr
9,60	35,0	23,1	18,1	10,0	6,11	3,44	2,46	1,97	1,67	0,92	0,48
9,90	33,9	22,5	17,9	10,0	6,01	3,42	2,45	1,96	1,66	0,91	0,47
10,2	32,4	21,3	17,0	9,78	5,91	3,39	2,43	1,94	1,65	0,91	0,47
10,5	31,0	20,4	16,2	9,52	5,82	3,35	2,41	1,93	1,65	0,90	0,46
10,8	29,1	19,2	15,2	9,18	5,68	3,24	2,34	1,87	1,60	0,90	0,46

Constant Power Discharge - Watts at 25°C

V/Cell	5 min	10 min	15 min	30 min	60 min	2 hr	3 hr	4 hr	5 hr	10 hr	20 hr
9,60	395	245	201	108	69,7	40,5	29,5	23,1	20,2	11,0	5,83
9,90	371	236	196	106	68,7	40,3	29,3	22,9	22,9	10,8	5,81
10,2	354	225	188	102	66,0	39,9	29,1	22,1	22,1	10,5	5,78
10,5	338	215	182	100	65,7	39,9	28,9	21,2	21,2	10,4	5,75
10,8	317	210	172	95,0	63,8	38,3	28,1	20,5	20,5	10,2	5,63

Revision: 201410

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