



ESL 320-2

2V - 320 Ah



Electrical specifications

Nominal Voltage	2V - 320 Ah	
Capacity 25°C to 1,80V	20 hour rate	346,0 Ah
	10 hour rate	306,5 Ah
	8 hour rate	292,8 Ah
	3 hour rate	247,5 Ah
	1 hour rate	206,6 Ah
Self discharge @ 20°C	per month	3 %
Resistance (Ohm)	0,4 mΩ	
Impedance (Siemens)	3100 S	
Short Circuit @ 25°C	2400 A	
Charge Voltage @20-25°C	Standby	2,27 - 2,29 V/Cell
	Cyclic	2,35 - 2,40 V/Cell

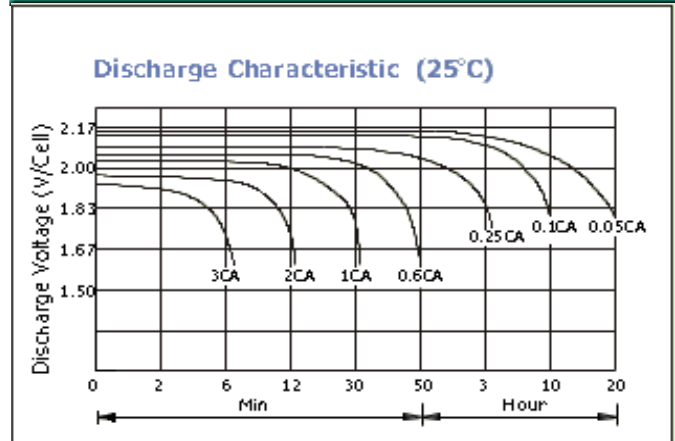
Other specifications

Design Life	12 Years	
Dimensions LxWxH	194x208x213 mm	
Total height	230 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	M6 / 16mm insert	
Optional terminal types	Cu/Lead Flag	
Torque setting	5-7 Nm	
Weight	18,1 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 20°C

V/Cell	10 min	15 min	20 min	25 min	30 min	35 min	40 min	45 min	60 min	90 min	2 hr	3 hr	4 hr	5 hr	6 hr	7 hr	8 hr	10 hr	12 hr	20 hr	20 hr
1,85	-	454	397	352	317	290	266	245	200	145	113,6	79,9	62,8	52,2	44,9	39,7	35,5	29,7	25,6	16,8	14,0
1,80	-	466	407	362	326	298	273	252	207	149	117,2	82,5	64,8	53,9	46,4	41,0	36,6	30,7	26,4	17,3	14,5
1,75	-	480	420	373	336	307	281	259	213	154	120,9	85,0	66,9	55,5	47,8	42,2	37,7	31,6	27,2	17,8	14,9
1,70	-	497	435	386	348	318	291	269	221	160	125,4	88,2	69,4	57,6	49,6	43,8	39,2	32,8	28,2	18,5	15,5
1,65	-	507	444	394	355	324	297	274	225	162	127,6	89,8	70,6	-	-	-	-	-	-	-	-

Constant Power Discharge - Watts per Cell at 20°C

V/Cell	10 min	15 min	20 min	25 min	30 min	35 min	40 min	45 min	60 min	90 min	2 hr	3 hr	4 hr	5 hr	6 hr	7 hr	8 hr	10 hr	12 hr	20 hr	24 hr
1,85	-	809	729	658	597	545	509	478	395	291	230	161	125	104,3	89,8	79,0	70,5	58,8	50,1	30,8	25,9
1,80	-	830	748	675	613	559	522	490	407	300	238	166	129	107,7	92,6	81,5	72,8	60,6	51,7	31,8	26,8
1,75	-	856	771	696	632	577	539	505	420	309	245	171	134	111,0	95,5	84,0	75,0	62,5	53,3	32,8	27,6
1,70	-	886	798	720	654	597	557	523	436	321	254	178	139	115,2	99,1	87,2	77,9	64,9	55,4	34,0	28,6
1,65	-	904	814	735	667	609	569	534	444	327	259	181	141	-	-	-	-	-	-	-	-

Revision: 201410

Your Wing Dealer :



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