7 UOPzS 875



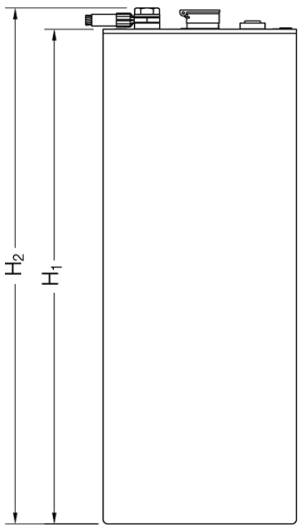
Specification		
Nominal Voltage	2,0 V	
Nominal Capacity (C_{10})	875 AH	
Discharge current	C_{10}/10h = 87,5 A	
Final discharge voltage/cell	1,80 V	
Nominal S.G. of electrolyte	1,24 ± 0,01 kg/l at 20°C	
Rated temperature	20°C	
Capacity C_{100}	1137 Ah (at 25°C, Uf = 1,85V/cell)	
Specified torque for poll screws	20 ± 1 Nm	
Dimensions of the cell	Length	198 mm (7.80 inches)
	Width	173 mm (6.81 inches)
	Height	613 mm (24.13 inches)
Weight of the cell (± 5%)	With acid	51,6 kg
	Without acid	35,0 kg
Recommended dept of discharge	< 80% C_{10}	
deep discharges more than 80% DOD or discharges beyond final discharge voltages (dependend on discharge current) have to be avoided		
Charging	IU - characteristic	I max without limitation
	Float charge	U = 2,23 V/cell +-1%
	Boost charge	U = 2,35 to 2,40 V/cell
	Temp.Correction factor	- 0,004 V/Cell, °K
Gas (H2) emissions at 20°C	at 2,23 V	2,6 l/cell/day
	at 2,40 V	10,6 l/cell/day
Ventilation requirement	LA alloy; f1 = 0,5; EN 50272-2	
Self-discharge	app. 3% per month at 20°C	
Operational temperature Recommended	- 20°C to 55°C	
	10°C to 30°C	

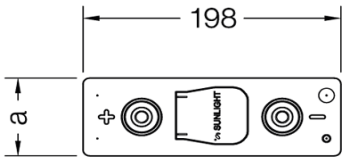
Constant Current Discharge (Amperes) at 20ºC (68ºF)												
F.V/Time	**15min**	**30min**	**1h**	**2h**	**3h**	**4h**	**5h**	**6h**	**8h**	**10h**	**20h**	**100h**
1.90V/cell	283	272	251	190	153	130	113	101	83	73	43	10,57
1.87V/cell	368	345	292	217	175	148	129	111	93	80	45	10,97
1.83V/cell	467	423	345	248	195	163	140	121	101	85	47	11,36
1.80V/cell	557	479	383	265	208	172	148	126	105	87	48	11,58
1.75V/cell	662	554	435	287	219	179	152	127	105	89	48	11,77
1.70V/cell	756	622	466	300	225	182	156	132	109	90	49	11,91

Constant Power Discharge (Watts) at 20ºC (68ºF)												
F.V/Time	**15min**	**30min**	**1h**	**2h**	**3h**	**4h**	**5h**	**6h**	**8h**	**10h**	**20h**	**100h**
1.90V/cell	537	520	481	366	298	254	219	197	163	144	87	21,04
1.87V/cell	695	653	556	415	336	287	250	215	180	156	88	21,51
1.83V/cell	859	786	639	466	370	310	268	232	194	164	92	22,27
1.80V/cell	1014	876	705	494	391	325	280	240	201	168	93	22,70
1.75V/cell	1178	997	792	531	408	335	285	240	201	170	94	22,96
1.70V/cell	1316	1107	840	552	416	339	294	249	208	172	93	22,64

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Dimension





Cell voltage of UOPzS cells during constant current discharge at different rates of discharge

