

5 UOPzS 625



Specification	
Nominal Voltage	2,0 V
Nominal Capacity (C ₁₀)	625 AH
Discharge current	C ₁₀ /10h = 62,5 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	812 Ah (at 25°C, U _f = 1,85V/cell)
Specified torque for poll screws	20 ± 1 Nm
Dimensions of the cell	Length 198 mm (7.80 inches)
	Width 119 mm (4.69 inches)
	Height 613 mm (24.13 inches)
Weight of the cell (± 5%)	With acid 36,9 kg
	Without acid 25,6 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 (H ₂) emissions at 20°C	at 2,23 V 1,9 l/cell/day
	at 2,40 V 7,6 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 20°C (68°F)

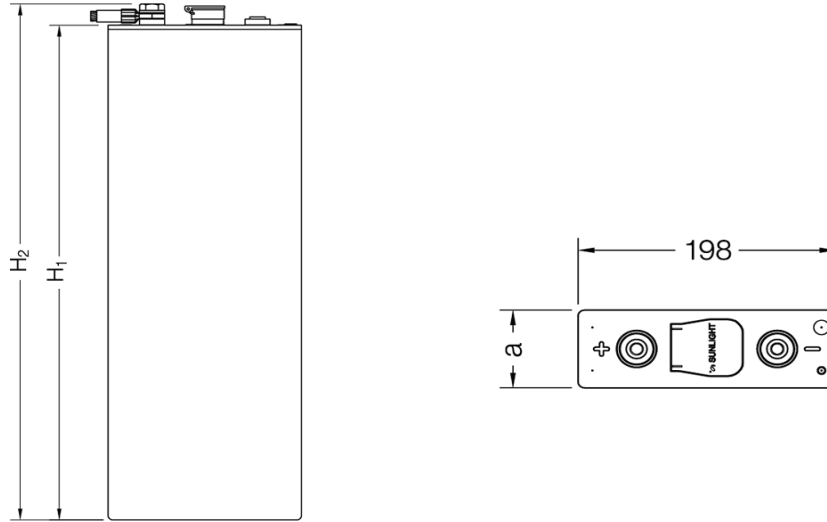
F.V/Time	15min	30min	1h	2h	3h	4h	5h	6h	8h	10h	20h	100h
1.90V/cell	202	195	179	136	110	93	81	72	60	52	31	7,55
1.87V/cell	263	247	209	155	125	106	92	79	66	57	32	7,84
1.83V/cell	334	302	247	177	139	117	100	86	72	61	33	8,12
1.80V/cell	398	342	274	190	148	123	106	90	75	62	34	8,27
1.75V/cell	473	396	311	205	157	128	108	91	75	64	35	8,41
1.70V/cell	540	444	333	214	161	130	112	94	78	65	35	8,51

Constant Power Discharge (Watts) at 20°C (68°F)

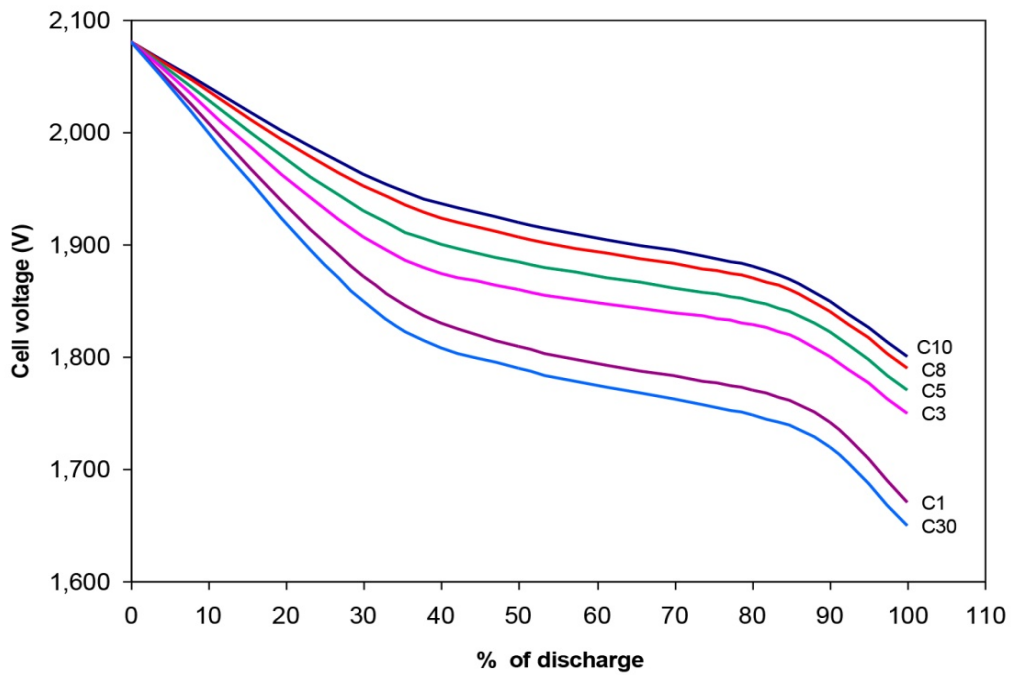
F.V/Time	15min	30min	1h	2h	3h	4h	5h	6h	8h	10h	20h	100h
1.90V/cell	384	372	344	262	213	182	157	141	116	103	62	15,03
1.87V/cell	496	466	397	297	240	205	179	154	129	111	63	15,36
1.83V/cell	614	561	456	333	265	222	191	165	139	117	65	15,91
1.80V/cell	725	626	504	353	279	232	200	172	144	120	67	16,22
1.75V/cell	842	712	566	379	291	239	204	172	144	121	67	16,40
1.70V/cell	940	791	600	395	297	242	210	178	149	123	67	16,17

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Dimension



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



ETL SEMKO

