

**6 UOPzS 750**



Specification	
Nominal Voltage	2,0 V
Nominal Capacity (C <sub>10</sub> )	750 AH
Discharge current	C <sub>10</sub> /10h = 75 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 <sub>100</sub>	975 Ah (at 25°C, U <sub>f</sub> = 1,85V/cell)
Specified torque for poll screws	20 ± 1 Nm
Dimensions of the cell	Length 198 mm (7.80 inches)
	Width 137 mm (5.39 inches)
	Height 613 mm (24.13 inches)
Weight of the cell ( ± 5%)	With acid 43,4 kg
	Without acid 30,2 kg
Recommended dept of discharge	< 80% C <sub>10</sub>
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 <sub>2</sub> ) emissions at 20°C	at 2,23 V 2,3 l/cell/day
	at 2,40 V 9,1 l/cell/day
Ventilation requirement	LA alloy; f <sub>1</sub> = 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	242	234	215	163	132	112	97	87	72	63	37	9,06
1.87V/cell	315	296	251	186	150	127	111	95	79	68	39	9,41
1.83V/cell	400	362	296	212	167	140	120	103	86	73	40	9,74
1.80V/cell	478	410	328	227	178	147	127	108	90	75	41	9,93
1.75V/cell	567	475	373	246	188	153	130	109	90	77	42	10,09
1.70V/cell	648	533	400	257	193	156	134	113	93	77	42	10,21

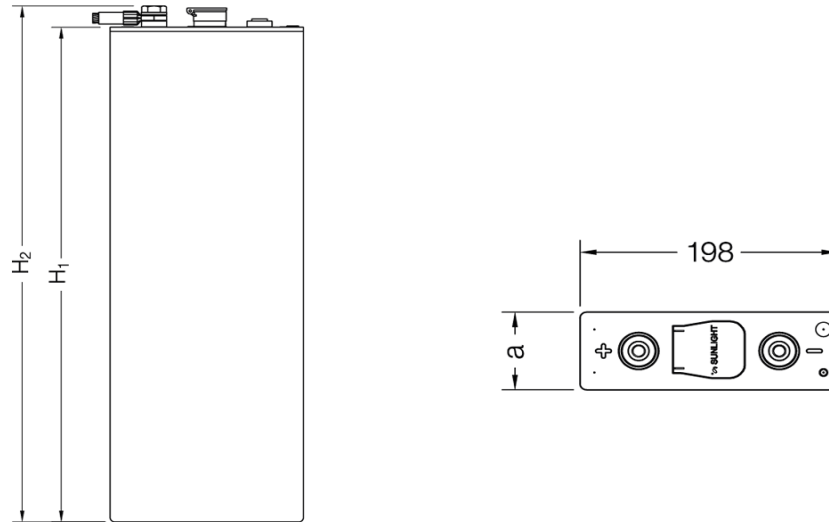
**Constant Power Discharge (Watts) at 20°C (68°F)**

F.V/Time	15min	30min	1h	2h	3h	4h	5h	6h	8h	10h	20h	100h
1.90V/cell	460	446	413	314	255	218	188	169	140	123	74	18,04
1.87V/cell	596	559	476	356	288	246	215	184	155	134	76	18,44
1.83V/cell	737	674	547	399	318	266	230	198	167	140	79	19,09
1.80V/cell	869	751	604	423	335	279	240	206	173	144	80	19,46
1.75V/cell	1010	854	679	455	349	287	244	206	173	145	81	19,68
1.70V/cell	1128	949	720	474	357	290	252	213	179	147	80	19,40

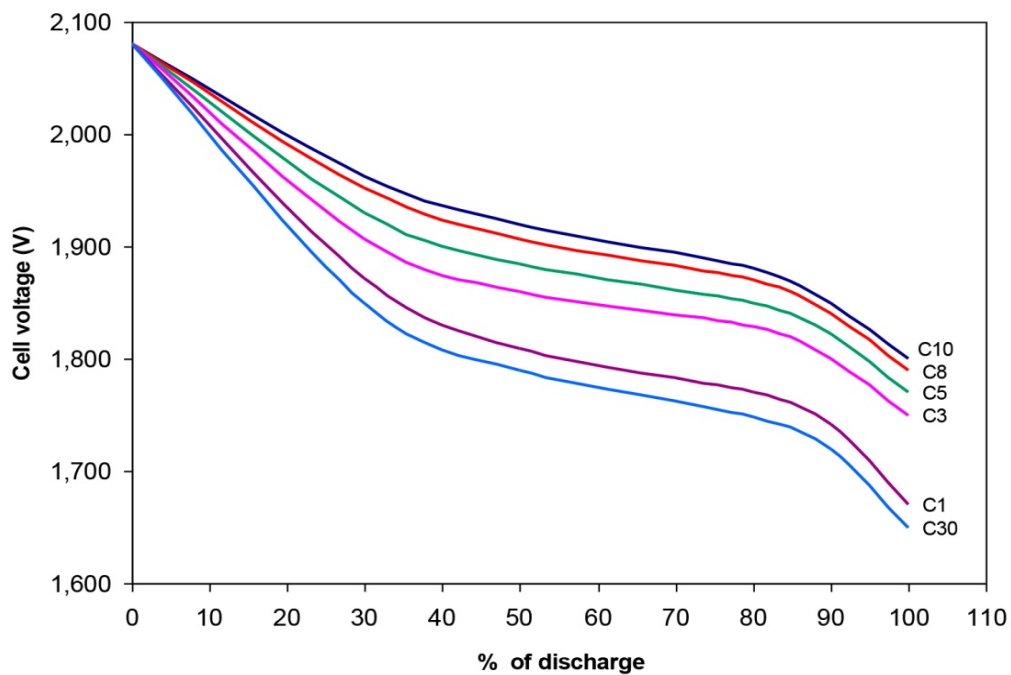


**6 UOPzS 750**

**Dimension**



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



ETL SEMKO

