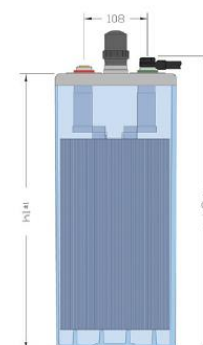
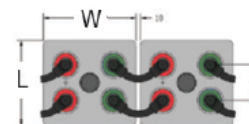


SUNLIGHT 2V 11 RES OPzS 2285

Data Sheet

Technical Characteristics

Capacity (Ah), C120 (1,85 V/cell, 20°C)	2364
Capacity (Ah), C10 (1,80 V/cell, 20°C)	1699,5
Number of plates (+) per cell	11
Floating voltage set point (V/cell)	2,23
Maximum initial charge current (A)	0,3 C10
Recommended Boost Charge Voltage (V/cell)	2,40
Recommended End of Discharge voltage for 120-hr rate (V/cell)	1,85
Short circuit current (A)	8800
Internal resistance (mOhm)	0,230
Number of cycles at 60% depth of discharge (20°C)	2300
Self-discharge rate per month at 20 °C	Approx. 2,5%
Dimensions in mm (LxWxH1xH2)	
H1 = Height to the lid	275 x 210 x 797 x 825
H2 = Height including connectors & bolts	
Weight (kg)	Wet: 108,9 / Dry: 77,0
Type and number of poles	M10 / 4
Operating Temperature / Recommended Temperature	-20°C - 55°C / 10°C - 30°C



*All dimensions and weights shown are subject to manufacturing tolerances.

Constant Current Discharge in A (at 20°C)

End Voltage (V/cell)	Discharge Time										
	10 h	12 h	20 h	24 h	48 h	50 h	72 h	100 h	120 h	168 h	240 h
1,80 V	169,95	147,61	97,84	84,09	46,55	44,92	32,52	24,15	20,41	14,87	10,52
1,83 V	161,79	141,11	94,45	81,41	45,44	43,86	31,85	23,70	20,05	14,63	10,36
1,85 V	154,73	135,32	91,22	78,81	44,33	42,81	31,19	23,26	19,70	14,40	10,21
1,90 V	130,99	115,45	79,38	69,04	39,76	38,45	28,33	21,32	18,14	13,36	9,55
1,92 V	118,82	105,10	73,00	63,73	37,14	35,94	26,62	20,13	17,17	12,69	9,10
2,00 V	56,33	53,10	39,34	35,07	22,02	21,37	16,34	12,62	10,88	8,15	5,98

Constant Power Discharge in W/cell (at 20°C)

End Voltage (V/cell)	Discharge Time										
	10 h	12 h	20 h	24 h	48 h	50 h	72 h	100 h	120 h	168 h	240 h
1,80 V	322,22	281,02	188,12	162,20	90,76	87,63	63,79	47,58	40,31	29,50	20,97
1,83 V	307,91	269,53	182,06	157,39	88,76	85,73	62,58	46,77	39,67	29,07	20,68
1,85 V	295,43	259,24	176,25	152,70	86,75	83,83	61,38	45,98	39,03	28,65	20,41
1,90 V	252,77	223,35	154,62	134,80	78,31	75,76	56,08	42,38	36,14	26,71	19,16
1,92 V	230,48	204,32	142,77	124,90	73,39	71,05	52,86	40,13	34,30	25,44	18,32
2,00 V	111,60	105,30	78,34	70,00	44,26	42,96	32,99	25,55	22,12	16,63	12,29

*Sunlight Group reserves the right to change or revise without notice any information or detail given in this publication.

