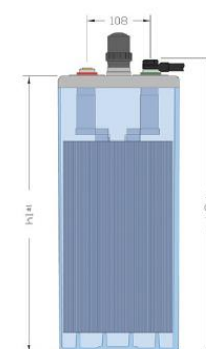
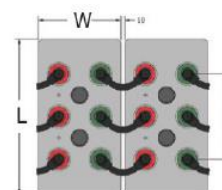


# SUNLIGHT 2V 14 RES OPzS 2765

## Data Sheet

### Technical Characteristics

Capacity (Ah), C120 (1,85 V/cell, 20°C)	3001,2
Capacity (Ah), C10 (1,80 V/cell, 20°C)	2156
Number of plates (+) per cell	14
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)	10650
Internal resistance (mOhm)	0,190
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	399 x 214 x 772 x 800
H2 = Height including connectors & bolts	
Weight (kg)	Wet: 145,9 / Dry: 100,4
Type and number of poles	M10 / 6
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	215,60	187,35	124,27	106,83	59,15	57,08	41,33	30,69	25,94	18,90	13,37
1,83 V	204,74	178,67	119,73	103,23	57,67	55,67	40,44	30,10	25,46	18,58	13,16
1,85 V	195,45	171,04	115,46	99,79	56,21	54,28	39,57	29,52	25,01	18,28	12,97
1,90 V	164,53	145,13	99,99	87,03	50,22	48,57	35,82	26,98	22,96	16,92	12,10
1,92 V	148,82	131,77	91,73	80,14	46,83	45,32	33,61	25,44	21,70	16,05	11,52
2,00 V	67,87	65,16	48,95	43,72	27,55	26,76	20,49	15,87	13,67	10,24	7,50

### 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	408,16	356,16	238,65	205,80	115,22	111,25	81,00	60,42	51,20	37,47	26,64
1,83 V	389,13	340,85	230,53	199,37	112,56	108,72	79,40	59,36	50,35	36,90	26,26
1,85 V	372,76	327,32	222,84	193,16	109,89	106,19	77,81	58,31	49,52	36,36	25,91
1,90 V	317,26	280,56	194,62	169,79	98,85	95,64	70,87	53,60	45,72	33,82	24,28
1,92 V	288,51	255,99	179,30	156,97	92,49	89,55	66,71	50,69	43,34	32,17	23,18
2,00 V	134,35	129,88	97,50	87,18	55,35	53,76	41,34	32,10	27,76	20,88	15,41

\*SYSTEMS SUNLIGHT reserves the right to change or revise without notice any information or detail given in this publication.

