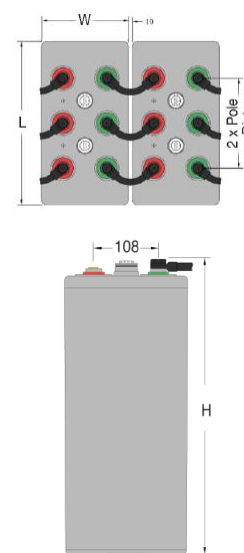


## 2V 14 RES OPzV 2470

Technical Characteristics	
Capacity (Ah), C120 (1,85 V/cell, 20°C)	2470
Capacity (Ah), C10 (1,80 V/cell, 20°C)	1890
Number of plates (+) per cell	14
Floating voltage set point (V/cell)	2,25
Maximum initial charge current (A)	0,3 C10
Recommended Boost Charge Voltage (V/cell)	2,35
Recommended End of Discharge voltage for 120-hr rate (V/cell)	1,85
Short circuit current (A)	11350
Internal resistance (mOhm)	0,180
Number of cycles at 60% depth of discharge (20°C)	2500
Self-discharge rate per month at 20 °C	Approx. 2%
Dimensions in mm (LxWxH1/H2) H1 = Height to the lid H2 = Height including connectors & bolts	399 x 214 x 771 x 799
Weight (kg)	146,0
Type and number of poles	M10 / 6



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

### Constant Current Discharge in A (at 20°C)

Discharge Time											
End Voltage (V/cell)	10 h	12 h	20 h	24 h	48 h	50 h	72 h	100 h	120 h	168 h	240 h
<b>1,80 V</b>	189,00	163,11	106,60	91,25	49,79	48,01	34,59	25,61	21,63	15,76	11,21
<b>1,83 V</b>	179,86	155,61	102,32	87,76	48,22	46,52	33,62	24,95	21,10	15,41	10,97
<b>1,85 V</b>	172,23	149,26	98,54	84,64	46,76	45,12	32,70	24,32	20,59	15,07	10,75
<b>1,90 V</b>	147,90	128,80	86,11	74,27	41,67	40,25	29,40	22,01	18,69	13,75	9,86
<b>1,92 V</b>	135,87	118,64	79,90	69,09	39,11	37,79	27,70	20,80	17,69	13,04	9,37
<b>2,00 V</b>	76,58	68,19	48,48	42,73	25,70	24,90	18,70	14,25	12,16	8,96	6,32

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

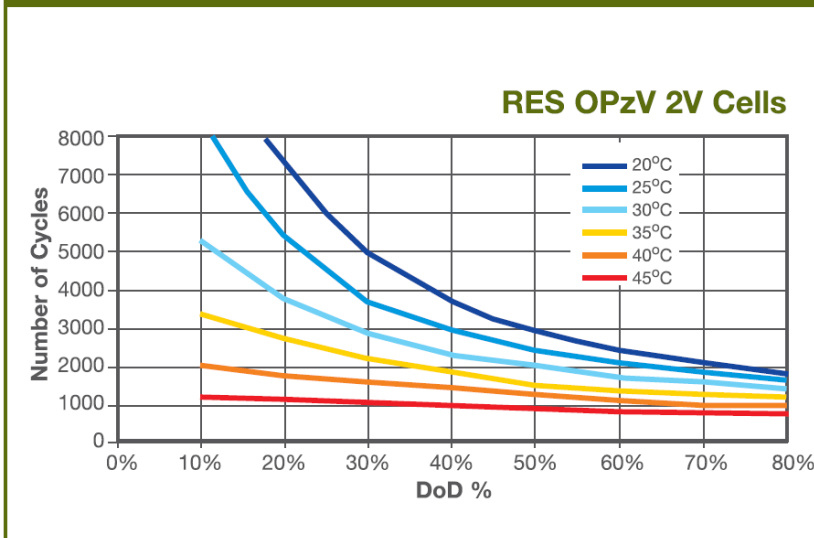
Discharge Time											
End Voltage (V/cell)	10 h	12 h	20 h	24 h	48 h	50 h	72 h	100 h	120 h	168 h	240 h
<b>1,80 V</b>	356,76	309,23	204,37	175,59	97,14	93,74	68,01	50,68	42,95	31,50	22,54
<b>1,83 V</b>	340,99	296,22	196,85	169,43	94,34	91,08	66,28	49,50	41,99	30,86	22,11
<b>1,85 V</b>	327,76	285,12	190,15	163,88	91,71	88,56	64,62	48,37	41,08	30,25	21,70
<b>1,90 V</b>	284,67	248,69	167,74	145,13	82,43	79,67	58,56	44,09	37,56	27,79	20,03
<b>1,92 V</b>	262,93	230,25	156,34	135,59	77,66	75,09	55,39	41,83	35,68	26,46	19,11
<b>2,00 V</b>	151,69	135,31	96,83	85,45	51,89	50,41	37,97	29,27	24,90	18,44	13,17

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

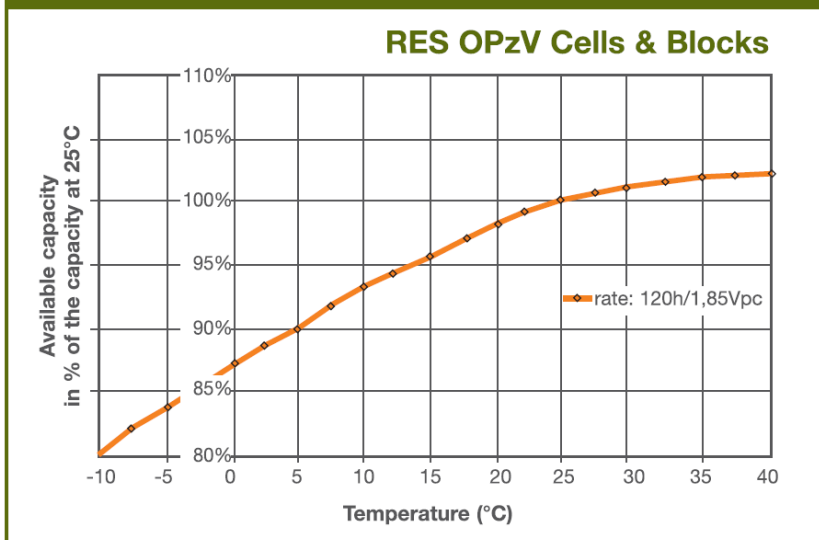
#### SYSTEMS SUNLIGHT S.A.

**Headquarters** 2 Ermou & Nikis Str, Syntagma Square, 105 63 Athens, Attica, Greece **T** +30 210 6245400 **F** +30 210 6245409  
**Manufacturing Plant** Neo Olvio, 672 00 Xanthi, Greece **T** +30 25410 48100 **F** +30 25410 95446  
**Service Department** 366 Tatoiou Street, 136 73 Acharnes, Attica, Greece **T** +30 210 6245600 **F** +30 210 6245619

### Expected Number of Cycles vs. DoD



### Capacity vs. Temperature



### Guidance for the Initial Low-voltage Disconnect Settings (25°C Reference Temperature)

