



OP_zS STANDBY batteries

 **SUNLIGHT**
creating energy



OPzS batteries introduction

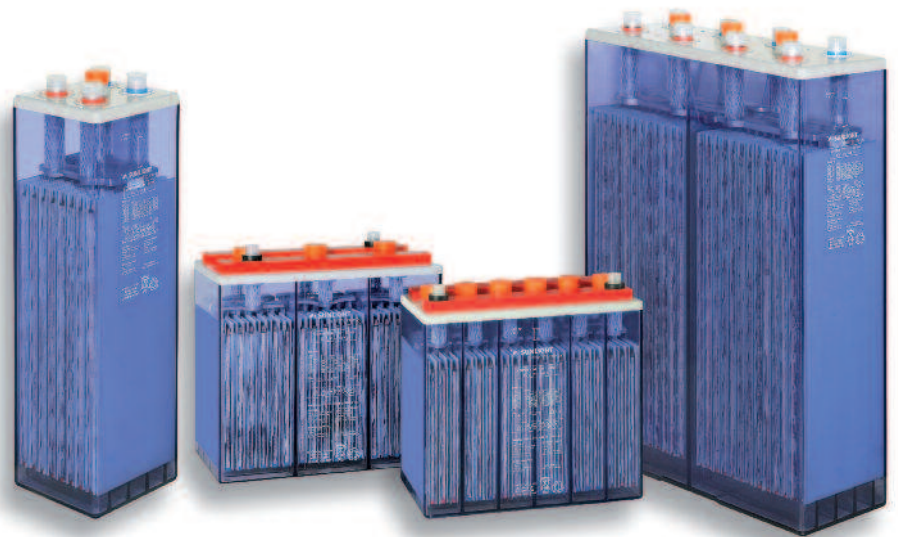
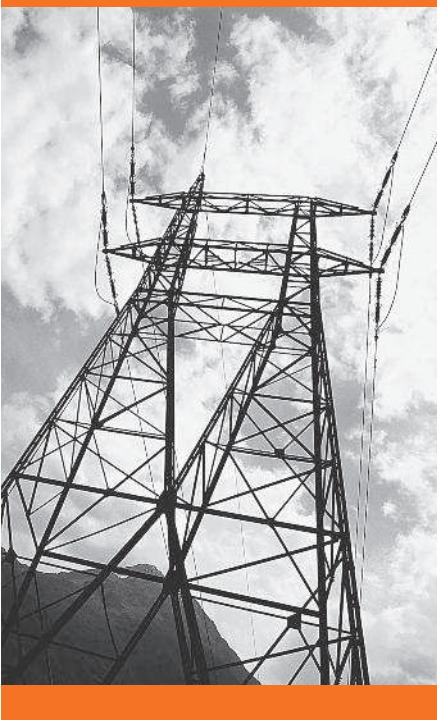
OPzS batteries are robust energy storage solutions, with a proven technology that has been used for decades in applications that require a safe and reliable battery with long service life. SUNLIGHT OPzS batteries are distinguished by their high tolerance to cycling and long life in standby parallel mode. They are designed and manufactured according to DIN Standards.

Technical Features

- Compliant to DIN 40736 -1 & 2, DIN 40737-3 and EN 50272-2
- Optimized plate design delivers capacities exceeding DIN nominal values
- Minimum maintenance due to reduced antimony content and large electrolyte reserve volume
- Excellent cyclic and deep discharge performance
- Available in 2V cells, 6V and 12V monoblocks
- Delivery in dry charged or wet charged conditions
- Protected pole with PP
- Special design pole for high current applications
- "Long life" Eurobat classification

Applications

- Telecommunications
- Control and monitoring systems in power plants and distribution stations
- Railway, airport and seaport signalling
- Emergency lighting
- Data processing systems
- UPS
- Renewable energy systems (solar, wind, hydro)



OPzS batteries cell construction

Positive Plates

SUNLIGHT OPzS cells are manufactured with tubular positive plates. The tubular plate design is well proven and known for its high reliability and long service life in float charging operation. The plate composition of a special low-Antimony ($\leq 1.65\%$ Sb) and Selenium alloy, results in a fine-grain structure and low corrosion rate, a basic property for obtaining a long service life and high reliability of the cell.

Negative Plates

SUNLIGHT negative plates are manufactured with grid design. In this case a lead alloy with a 5% antimony content is used. In order for the plates to maintain the porosity of the active mass, certain special ingredients are added to the paste, allowing the plates to retain their "spongy" consistency.

Separators

The separators are manufactured from microporous PVC, a material of high porosity, low electrical resistance and high acid resistance. The separators are permeable and allow the migration of ions during the charging and discharging process of the battery. Thus the solid particle migration between the plates is prevented and any short circuit avoided. The design of the separators also allows the presence of more acid in the surrounding area of the plates.

Connectors

A wide variety of flexible and solid copper connectors are used for the connection of the cells. Voltage measurements are permissible due to bolt-on type design.

Vent Plugs

The Vent Plugs are flame retardant made of ceramic material, improving the safety of the cell.

The Electrolyte

The Electrolyte Specific Gravity of a fully charged cell is $1.240 (\pm 0.010 \text{ kg/l})$ at 20°C at maximum and $1.260 (\pm 0.010 \text{ kg/l})$ at 20°C at minimum level. In different temperatures, outside the range of $+10^\circ\text{C}$ to $+30^\circ\text{C}$ the temperature compensation which should be introduced is $\pm 0.0007 \text{ kg/l}$ per each $^\circ\text{C}$ variance.

The electrolyte freezing point of:

- A fully charged cell is -45°C (reference acid specific gravity 1.240 kg/l).
- A fully discharged cell is -5°C to -10°C (reference acid specific gravity 1.100 kg/l).

Cell Containers and Covers

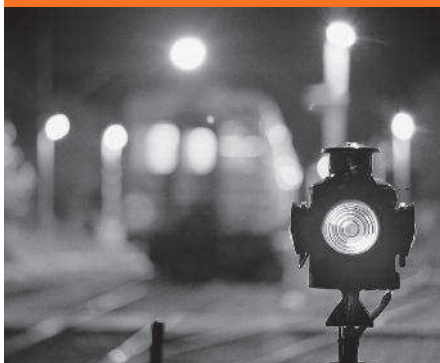
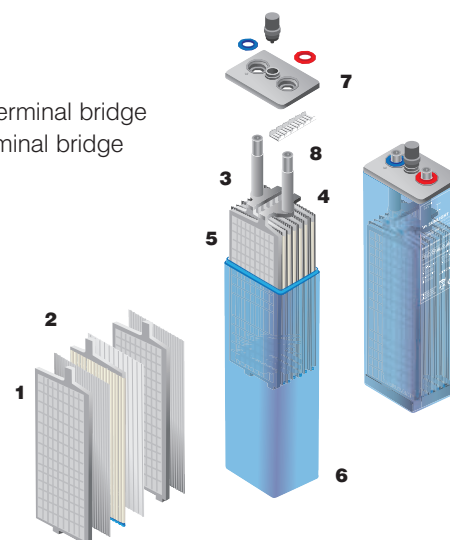
Styrene Acrylonitrile (SAN) is used on the containers of SUNLIGHT OPzS cells. SAN is transparent allowing the user an easy reading of the electrolyte level and visual inspection of the cell. The covers of the cells are made of Acrylonitrile-butadiene-styrene copolymer (ABS).

Poles

Specially designed safety poles, effectively prevent acid leakage and pillar corrosion thus increasing the lifetime of the battery.

Mechanical Construction

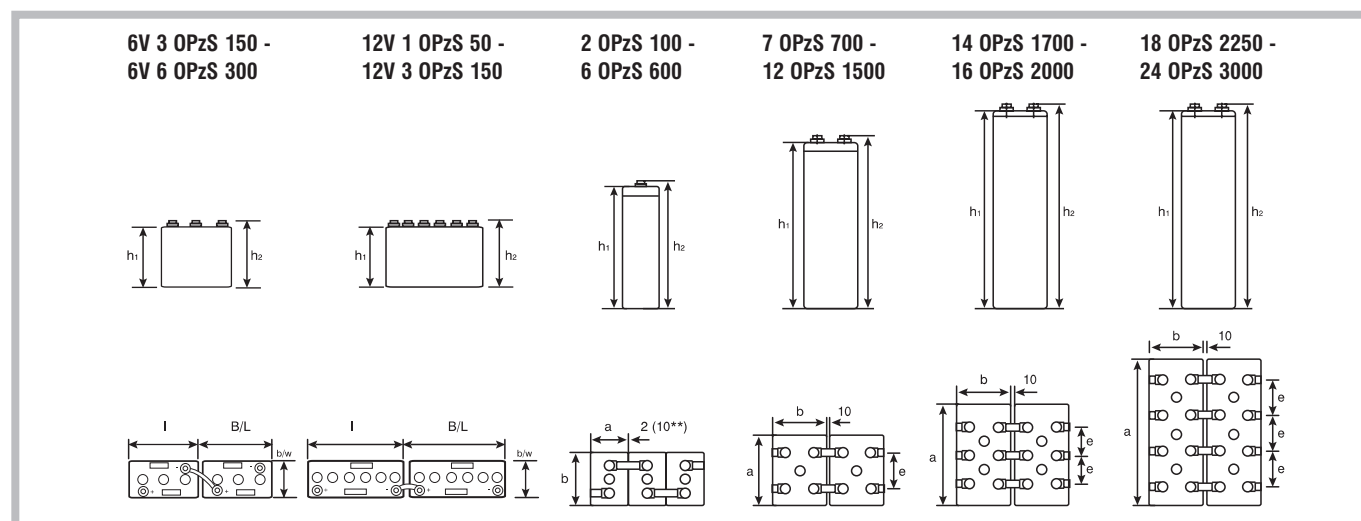
1. Negative plate
2. Tubular positive plate
3. Set of tubular positive plates with terminal bridge
4. Set of negative grid plates with terminal bridge
5. Plate set assembly
6. Cell container
7. Cell lid
8. Safety pole



Technical Characteristics

Type Designation	Positive plate		Capacity (Ah) C ₁₀ V/cell 1.8 at 20 °C	Cell Dimensions (mm)					Weight (kg)		Volume of electrolyte (l)
Monoblocks	No	Size (Ah)		a	b	h1	h2	e	with electrolyte	without electrolyte	
6V 3 OPzS 150	3 x 3	50	161	233	224	345	378	-	41.2	29.8	9.2
6V 4 OPzS 200	3 x 4		206	272	205	332	363	-	47.1	35.2	9.6
6V 5 OPzS 250	3 x 5		258	380	205	332	363	-	60.9	43.5	14.0
6V 6 OPzS 300	3 x 6		304	380	205	332	363	-	67.1	50.5	13.4
12V 1 OPzS 50	6 x 1		57	272	205	332	363	-	37.7	24.4	10.7
12V 2 OPzS 100	6 x 2		103	272	205	332	363	-	49.4	37.7	9.4
12V 3 OPzS 150	6 x 3		154	380	205	332	363	-	69.8	53.0	13.5
2V Cells	No	Size (Ah)		a	b	h1	h2	e	with electrolyte	without electrolyte	
2 OPzS 100*	2	50	115	103	206	355	380	-	13.8	8.4	4.4
3 OPzS 150*	3		171	103	206	355	380	-	15.7	10.7	4.0
4 OPzS 200	4		215	103	206	355	380	-	17.5	13.0	3.6
5 OPzS 250	5		270	124	206	355	380	-	21.4	15.4	4.8
6 OPzS 300	6	70	323	145	206	355	380	-	25.7	18.5	5.8
5 OPzS 350	5		387	124	206	471	496	-	28.4	20.7	6.2
6 OPzS 420	6		465	145	206	471	496	-	33.5	24.3	7.4
7 OPzS 490	7	100	542	166	206	471	496	-	38.6	27.9	8.6
5 OPzS 500*	5		589	145	206	646	671	-	42.0	28.8	10.6
6 OPzS 600	6		656	145	206	646	671	-	45.8	33.0	10.3
7 OPzS 700*	7		811	191	210	646	671	80	60.0	42.7	14.0
8 OPzS 800	8		875	191	210	646	671	80	63.8	46.8	13.7
9 OPzS 900*	9		1031	233	210	646	671	110	73.0	53.0	16.1
10 OPzS 1000	10		1095	233	210	646	671	110	78.2	57.3	16.9
12 OPzS 1200	12	125	1312	275	210	646	671	140	91.3	66.2	20.2
11 OPzS 1400*	11		1581	275	210	796	821	140	110.5	76.0	27.8
12 OPzS 1500	12		1669	275	210	796	821	140	115.1	81.1	27.4
14 OPzS 1700*	14		2021	397	212	772	797	2 x 110	143.3	96.3	37.9
15 OPzS 1875	15		2136	397	212	772	797	2 x 110	148.9	102.6	37.3
16 OPzS 2000	16		2227	397	212	772	797	2 x 110	154.5	108.8	36.9
18 OPzS 2250	18		2574	487	212	772	797	3 x 110	184.0	125.0	47.8
20 OPzS 2500	20		2791	487	212	772	797	3 x 110	201.0	135.0	53.2
24 OPzS 3000	24		3343	576	212	772	797	3 x 140	230.0	158.0	58.1

* Over DIN standard product range



Discharge Table in Amperes

End voltage 1.90 V/cell

Type	Monoblocks	15 min	30 min	45 min	1 h	1.5 h	2 h	3 h	4 h	5 h	6 h	8 h	10 h	20 h
	6V 3 OPzS 150	70.3	61.6	53.9	49.0	41.3	36.4	29.7	25.3	21.8	19.5	15.8	13.7	7.7
	6V 4 OPzS 200	90.8	79.6	69.6	63.3	53.3	46.9	38.2	32.5	27.9	25.1	20.1	17.6	9.8
	6V 5 OPzS 250	109.3	96.4	85.0	77.7	65.8	58.1	47.4	40.5	34.8	31.4	25.3	22.1	12.4
	6V 6 OPzS 300	130.6	115.6	101.4	92.4	78.1	68.9	56.2	47.9	41.3	37.2	29.7	26.1	14.6
	12V 1 OPzS 50	24.6	21.5	18.8	17.1	14.5	12.7	10.4	8.9	7.6	6.8	5.6	4.8	2.8
	12V 2 OPzS 100	48.5	41.8	36.2	32.7	27.3	24.0	19.4	16.5	14.1	12.7	10.2	8.8	4.9
	12V 3 OPzS 150	69.8	60.7	52.9	48.0	40.3	35.4	28.8	24.5	21.0	18.9	15.2	13.2	7.4
	2V cells	15 min	30 min	45 min	1 h	1.5 h	2 h	3 h	4 h	5 h	6 h	8 h	10 h	20 h
	2V 2 OPzS 100	47.5	42.1	37.1	33.9	28.8	25.4	20.8	17.8	15.3	13.7	11.3	9.7	5.6
	2V 3 OPzS 150	70.7	62.7	55.2	50.5	42.9	37.9	31.1	26.6	22.9	20.4	16.8	14.4	8.3
	2V 4 OPzS 200	91.0	80.5	70.8	64.6	54.7	48.3	39.4	33.6	29.0	26.0	21.1	18.3	10.3
	2V 5 OPzS 250	113.6	100.3	88.4	80.9	68.4	60.5	49.3	42.1	36.3	32.6	26.5	23.0	13.0
	2V 6 OPzS 300	136.4	121.0	106.3	96.9	82.1	72.5	59.2	50.5	43.6	39.1	31.7	27.5	15.6
	2V 5 OPzS 350	146.4	130.4	117.5	109.1	95.8	83.9	68.8	58.3	51.0	45.5	37.2	31.6	17.6
	2V 6 OPzS 420	175.1	157.0	141.1	130.8	114.6	100.6	82.4	70.0	61.2	54.6	44.7	37.9	21.1
	2V 7 OPzS 490	204.5	182.7	164.4	152.5	134.2	117.4	96.2	81.6	71.4	63.6	52.0	44.2	24.7
	2V 5 OPzS 500	200.2	181.8	165.6	155.0	138.1	121.9	101.1	86.3	75.6	67.7	56.3	47.5	27.1
	2V 6 OPzS 600	211.0	190.2	177.0	168.1	149.7	134.5	111.6	97.0	84.6	75.7	61.9	53.5	30.1
	2V 7 OPzS 700	246.4	222.6	207.4	197.3	175.7	157.6	132.4	117.2	104.2	93.4	76.6	66.1	37.3
	2V 8 OPzS 800	280.6	254.0	236.3	224.6	200.0	179.0	149.0	129.0	112.4	100.6	82.6	71.3	40.2
	2V 9 OPzS 900	317.4	286.7	266.5	253.0	225.3	202.0	169.8	149.5	132.7	118.1	96.9	83.8	47.2
	2V 10 OPzS 1000	351.5	318.0	295.4	280.4	249.7	224.5	185.6	161.6	141.0	126.3	103.5	89.2	50.3
	2V 12 OPzS 1200	420.2	380.0	353.7	336.3	299.6	268.5	222.8	193.8	168.4	150.8	123.2	106.5	60.2
	2V 11 OPzS 1400	437.2	406.9	379.1	360.5	324.1	293.9	250.8	217.1	192.5	172.9	144.0	122.7	70.2
	2V 12 OPzS 1500	474.5	441.5	411.5	391.5	352.3	319.3	269.7	231.4	203.2	183.4	152.7	129.4	74.2
	2V 14 OPzS 1700	553.6	515.6	480.3	456.7	411.4	372.6	318.6	276.2	245.7	221.3	183.8	156.7	89.8
	2V 15 OPzS 1875	593.8	553.0	515.2	489.9	440.7	399.7	339.8	293.5	260.2	233.7	194.1	165.9	94.9
	2V 16 OPzS 2000	634.5	590.7	550.2	523.2	470.6	426.5	359.8	309.5	271.4	244.8	203.2	173.0	99.2
	2V 20 OPzS 2250	712.8	662.3	617.8	588.1	530.6	481.1	410.9	356.4	315.8	284.1	236.6	201.0	114.8
	2V 20 OPzS 2500	791.7	737.5	687.1	653.5	589.1	533.2	449.9	386.9	339.9	305.6	254.8	217.0	124.5
	2V 24 OPzS 3000	948.9	883.1	823.2	783.2	704.9	639.1	539.8	464.1	407.6	366.4	304.8	260.1	149.0

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Discharge Table in Amperes

End voltage 1.87 V/cell

Type	Monoblocks	15 min	30 min	45 min	1 h	1.5 h	2 h	3 h	4 h	5 h	6 h	8 h	10 h	20 h
	6V 3 OPzS 150	88.5	73.2	62.6	56.1	46.9	41.3	32.8	27.5	23.6	21.1	17.1	14.8	8.4
	6V 4 OPzS 200	114.3	94.6	81.0	72.5	60.6	53.3	42.3	35.3	30.3	27.1	22.0	19.0	10.7
	6V 5 OPzS 250	138.5	115.5	99.3	89.2	74.8	66.0	52.5	44.0	38.0	33.9	27.5	23.7	13.5
	6V 6 OPzS 300	165.1	137.4	117.9	105.7	88.8	78.3	62.3	52.1	44.8	40.1	32.4	28.1	15.9
	12V 1 OPzS 50	31.0	25.6	21.8	19.6	16.4	14.4	11.5	9.6	8.3	7.4	6.0	5.3	3.0
	12V 2 OPzS 100	60.8	49.5	41.9	37.3	30.9	27.1	21.4	17.8	15.3	13.6	11.0	9.5	5.3
	12V 3 OPzS 150	87.7	72.0	61.4	54.8	45.7	40.1	31.8	26.6	22.8	20.4	16.5	14.3	8.0
	2V cells	15 min	30 min	45 min	1 h	1.5 h	2 h	3 h	4 h	5 h	6 h	8 h	10 h	20 h
	2V 2 OPzS 100	60.0	50.2	43.2	38.9	32.7	28.9	23.1	19.4	16.7	14.9	12.1	10.6	6.0
	2V 3 OPzS 150	89.3	74.8	64.4	57.9	48.8	43.1	34.4	28.9	24.9	22.3	18.1	15.8	8.9
	2V 4 OPzS 200	114.9	96.0	82.5	74.2	62.2	54.9	43.7	36.6	31.5	28.2	22.9	19.7	11.2
	2V 5 OPzS 250	143.9	120.1	103.3	92.9	77.9	68.7	54.7	45.8	39.5	35.3	28.6	24.7	14.1
	2V 6 OPzS 300	172.6	143.9	123.6	110.9	93.4	82.4	65.6	55.0	47.3	42.3	34.3	29.7	16.9
	2V 5 OPzS 350	179.3	155.4	138.7	128.0	109.8	96.8	77.8	65.5	56.8	50.2	40.9	34.5	19.3
	2V 6 OPzS 420	214.8	186.1	165.8	152.7	131.5	116.4	93.3	78.6	68.2	60.3	49.1	41.4	23.2
	2V 7 OPzS 490	250.3	216.7	193.4	178.3	153.2	135.2	108.5	91.7	79.5	70.3	57.3	48.3	27.1
	2V 5 OPzS 500	245.8	216.7	195.7	182.0	158.2	140.6	114.1	97.0	84.8	75.1	61.6	52.1	29.5
	2V 6 OPzS 600	253.7	231.2	211.8	199.0	174.5	155.4	127.5	109.5	95.1	84.4	68.1	58.3	33.0
	2V 7 OPzS 700	297.2	270.6	247.5	232.3	203.7	181.5	152.2	133.1	117.2	104.4	84.0	72.0	40.7
	2V 8 OPzS 800	338.4	307.9	282.3	265.4	232.9	206.8	170.8	146.0	126.3	112.5	90.7	77.8	43.9
	2V 9 OPzS 900	381.6	347.7	318.3	298.9	262.1	233.9	194.6	169.4	148.6	131.9	105.8	91.4	51.5
	2V 10 OPzS 1000	422.6	384.9	352.5	331.2	290.5	259.3	213.4	182.6	158.0	141.2	113.1	97.2	54.9
	2V 12 OPzS 1200	506.1	460.7	422.3	397.0	348.3	310.3	255.5	218.8	190.2	168.7	135.7	116.7	65.8
	2V 11 OPzS 1400	530.9	487.6	456.0	429.2	379.9	339.1	285.0	246.2	217.4	194.7	160.5	134.9	77.5
	2V 12 OPzS 1500	576.6	535.1	493.5	465.9	412.9	368.3	306.8	262.5	230.0	205.5	170.1	142.7	81.9
	2V 14 OPzS 1700	672.6	624.1	575.8	543.9	481.0	430.4	362.6	313.2	278.4	249.0	205.2	172.8	99.4
	2V 15 OPzS 1875	721.1	669.6	617.7	583.3	516.2	461.7	387.0	332.6	294.0	262.6	217.6	183.1	104.7
	2V 16 OPzS 2000	771.2	715.4	659.5	622.6	551.2	492.5	409.9	350.6	307.2	274.8	226.7	191.3	109.7
	2V 20 OPzS 2250	864.3	801.9	740.6	699.9	620.7	554.4	466.3	402.9	357.4	318.8	263.3	220.8	125.7
	2V 20 OPzS 2500	962.2	893.0	823.6	777.7	688.7	615.3	512.1	439.1	384.8	343.5	284.7	239.3	137.1
	2V 24 OPzS 3000	1153.1	1070.2	987.8	933.1	826.2	738.0	614.1	525.4	461.3	412.2	340.7	286.6	163.8

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Discharge Table in Amperes

End voltage 1.85 V/cell

Type	Monoblocks	15 min	30 min	45 min	1 h	1.5 h	2 h	3 h	4 h	5 h	6 h	8 h	10 h	20 h
	6V 3 OPzS 150	101.0	81.9	68.9	60.9	50.1	43.4	34.2	28.8	24.7	22.1	17.7	15.3	8.7
	6V 4 OPzS 200	130.6	106.1	89.1	78.8	64.8	56.0	44.1	37.1	31.8	28.4	22.7	19.4	11.1
	6V 5 OPzS 250	158.1	129.6	109.4	97.0	80.1	69.5	54.9	46.3	39.7	35.5	28.5	24.5	13.9
	6V 6 OPzS 300	188.5	154.2	130.0	115.2	94.9	82.4	65.0	54.8	46.9	42.0	33.7	28.7	16.4
	12V 1 OPzS 50	35.3	28.6	24.0	21.2	17.5	15.1	12.0	10.1	8.7	7.8	6.2	5.4	3.1
	12V 2 OPzS 100	69.2	55.2	46.0	40.4	33.0	28.4	22.3	18.7	16.0	14.3	11.4	9.7	5.5
	12V 3 OPzS 150	100.0	80.6	67.5	59.5	48.8	42.1	33.1	27.9	23.9	21.3	17.1	14.6	8.3
	2V cells	15 min	30 min	45 min	1 h	1.5 h	2 h	3 h	4 h	5 h	6 h	8 h	10 h	20 h
	2V 2 OPzS 100	68.6	56.3	47.6	42.3	35.0	30.4	24.1	20.4	17.5	15.7	12.5	10.9	6.2
	2V 3 OPzS 150	102.1	83.9	71.0	63.0	52.2	45.3	35.9	30.4	26.1	23.4	18.6	16.3	9.2
	2V 4 OPzS 200	131.4	107.7	91.0	80.7	66.7	57.8	45.6	38.5	33.0	29.5	23.6	20.4	11.6
	2V 5 OPzS 250	164.4	134.8	113.8	101.0	83.4	72.3	57.1	48.1	41.4	36.9	29.6	25.6	14.5
	2V 6 OPzS 300	196.9	161.4	136.3	120.9	99.8	86.7	68.5	57.7	49.6	44.4	35.5	30.7	17.4
	2V 5 OPzS 350	199.3	170.4	150.7	138.0	117.8	102.9	82.9	69.3	59.9	52.8	42.9	36.1	20.1
	2V 6 OPzS 420	238.8	204.1	180.7	165.7	141.5	123.5	98.8	83.1	72.0	63.3	51.4	43.3	24.2
	2V 7 OPzS 490	278.2	237.7	210.7	193.3	165.2	144.2	115.5	97.0	83.9	73.9	60.0	50.5	28.3
	2V 5 OPzS 500	273.9	238.3	213.7	197.8	171.0	150.5	121.8	103.0	89.5	79.0	64.4	55.0	30.8
	2V 6 OPzS 600	286.5	256.2	234.2	219.7	190.4	166.5	135.6	116.6	99.9	89.5	72.4	61.4	34.3
	2V 7 OPzS 700	335.1	299.7	273.9	256.9	222.5	194.7	161.4	140.2	123.3	110.4	89.3	75.8	42.4
	2V 8 OPzS 800	381.3	340.9	312.0	293.0	253.7	221.9	181.0	155.1	133.5	119.5	96.5	81.8	45.8
	2V 9 OPzS 900	430.4	384.8	352.0	330.5	285.9	250.0	205.9	178.7	155.9	139.1	112.7	95.5	53.5
	2V 10 OPzS 1000	477.3	426.9	390.0	365.8	317.2	277.5	225.7	192.8	165.4	148.4	120.1	101.3	57.1
	2V 12 OPzS 1200	570.7	510.6	467.0	438.4	380.0	332.4	271.7	231.9	198.7	177.8	143.7	121.9	68.3
	2V 11 OPzS 1400	591.4	546.0	502.6	473.8	417.4	372.5	307.9	263.3	230.7	205.9	169.7	143.1	80.8
	2V 12 OPzS 1500	641.8	593.0	545.7	514.4	453.3	404.7	332.6	281.5	244.2	217.6	179.4	150.8	85.4
	2V 14 OPzS 1700	748.8	691.0	636.4	600.2	529.2	472.6	392.3	335.2	294.7	263.2	216.4	183.1	103.6
	2V 15 OPzS 1875	803.4	741.6	682.7	643.7	567.5	506.9	418.7	356.6	311.4	277.8	228.9	193.4	108.9
	2V 16 OPzS 2000	858.8	792.5	729.5	687.9	605.4	540.6	443.6	375.6	325.6	290.0	239.1	201.5	114.0
	2V 20 OPzS 2250	960.3	888.0	818.9	773.2	682.1	608.9	504.9	430.7	378.2	336.6	277.2	233.6	130.7
	2V 20 OPzS 2500	1070.7	989.0	910.7	858.9	756.8	676.3	554.8	469.3	408.3	363.9	300.1	252.9	142.4
	2V 24 OPzS 3000	1283.1	1186.1	1092.2	1030.1	908.1	809.8	664.7	562.6	488.9	435.6	359.3	303.0	171.1

Design and/or specifications are subject to change without prior notice. For clarifications and updated information, please contact your local SUNLIGHT sales representative.

Discharge Table in Amperes

End voltage 1.83 V/cell

	Monoblocks	15 min	30 min	45 min	1 h	1.5 h	2 h	3 h	4 h	5 h	6 h	8 h	10 h	20 h
	6V 3 OPzS 150	113.4	89.9	75.1	66.1	53.2	45.6	35.7	29.9	25.5	22.6	18.2	15.7	8.9
	6V 4 OPzS 200	146.7	116.5	97.3	85.6	68.8	58.9	46.0	38.4	32.8	29.0	23.4	20.0	11.4
	6V 5 OPzS 250	177.5	142.7	119.6	105.5	85.4	73.1	57.3	47.9	41.0	36.4	29.4	25.1	14.2
	6V 6 OPzS 300	212.5	170.0	142.3	125.4	101.5	87.1	67.9	56.7	48.4	42.9	34.7	29.6	16.8
	12V 1 OPzS 50	39.6	31.3	26.1	23.0	18.5	15.9	12.5	10.5	8.9	7.9	6.4	5.6	3.1
	12V 2 OPzS 100	77.5	60.5	50.1	43.8	35.0	29.8	23.2	19.3	16.4	14.6	11.7	10.0	5.7
	12V 3 OPzS 150	112.2	88.4	73.5	64.5	51.8	44.2	34.5	28.8	24.6	21.8	17.6	15.0	8.5
Type	2V cells	15 min	30 min	45 min	1 h	1.5 h	2 h	3 h	4 h	5 h	6 h	8 h	10 h	20 h
	2V 2 OPzS 100	77.1	61.9	52.0	45.9	37.2	32.0	25.2	21.1	18.1	16.0	12.8	11.2	6.3
	2V 3 OPzS 150	114.8	92.2	77.5	68.5	55.5	47.7	37.6	31.5	26.9	23.9	19.1	16.7	9.4
	2V 4 OPzS 200	147.9	118.4	99.4	87.7	70.9	60.8	47.7	39.9	34.1	30.3	24.3	21.0	11.9
	2V 5 OPzS 250	184.8	148.4	124.4	109.8	88.9	76.2	59.7	50.0	42.6	37.9	30.5	26.2	14.8
	2V 6 OPzS 300	222.0	178.0	149.2	131.6	106.8	91.7	71.6	59.9	51.1	45.4	36.5	31.5	17.8
	2V 5 OPzS 350	218.3	185.4	162.5	148.0	124.0	108.0	87.0	72.4	62.4	54.7	44.3	37.3	20.8
	2V 6 OPzS 420	261.8	222.1	194.9	177.7	148.7	129.7	104.7	86.9	74.8	65.7	53.1	44.8	25.0
	2V 7 OPzS 490	305.2	258.7	227.3	207.3	173.4	151.4	121.5	100.8	87.3	76.6	62.0	52.3	29.2
	2V 5 OPzS 500	301.1	259.8	231.0	212.6	179.9	158.3	128.5	107.5	93.3	82.3	66.5	56.9	31.7
	2V 6 OPzS 600	316.6	282.0	254.6	236.7	205.2	179.3	144.5	121.7	104.1	92.9	75.1	63.3	35.4
	2V 7 OPzS 700	370.2	329.5	297.7	277.0	240.3	209.5	171.4	146.4	121.3	114.6	92.7	78.1	43.7
	2V 8 OPzS 800	421.3	375.6	338.9	315.1	273.5	238.7	192.0	162.2	138.7	123.7	100.2	84.3	47.1
	2V 9 OPzS 900	475.6	423.6	382.4	355.6	308.6	269.7	218.8	186.8	163.0	145.1	117.7	99.1	55.3
	2V 10 OPzS 1000	527.4	469.6	424.3	394.7	342.0	299.1	239.7	202.0	173.5	154.5	125.1	105.4	59.0
	2V 12 OPzS 1200	630.6	562.2	507.8	472.4	409.7	358.0	287.8	242.3	207.9	185.0	149.8	126.1	70.7
	2V 11 OPzS 1400	651.7	595.4	544.5	511.1	449.4	400.3	329.7	280.2	245.5	217.9	178.6	150.2	85.3
	2V 12 OPzS 1500	706.9	646.2	591.5	555.4	488.2	435.3	355.4	299.4	260.1	230.5	188.4	158.0	90.2
	2V 14 OPzS 1700	824.8	754.1	689.7	647.3	570.0	507.3	419.1	357.0	314.4	278.2	228.3	191.2	109.4
	2V 15 OPzS 1875	884.6	808.9	740.1	694.9	611.4	544.6	447.5	379.5	332.1	294.7	240.8	202.6	114.8
	2V 16 OPzS 2000	946.2	863.9	790.4	742.1	652.2	581.2	474.4	399.6	347.3	307.9	252.0	211.7	119.8
	2V 20 OPzS 2250	1058.3	967.2	886.0	832.6	733.6	654.4	539.6	458.4	401.9	356.4	291.1	243.5	137.6
	2V 20 OPzS 2500	1179.9	1078.5	987.2	927.2	815.6	726.9	593.6	501.1	434.2	384.9	315.1	265.1	150.2
	2V 24 OPzS 3000	1414.7	1293.6	1183.1	1110.5	977.0	870.4	711.4	600.3	520.7	461.6	378.2	317.4	179.9

Design and/or specifications are subject to change without prior notice. For clarifications and updated information, please contact your local SUNLIGHT sales representative.

Discharge Table in Amperes

End voltage 1.80 V/cell

Type	Monoblocks	15 min	30 min	45 min	1 h	1.5 h	2 h	3 h	4 h	5 h	6 h	8 h	10 h	20 h
	6V 3 OPzS 150	132.2	102.1	83.6	72.5	57.3	48.3	37.5	31.2	26.5	23.5	18.8	16.1	9.1
	6V 4 OPzS 200	171.3	132.4	108.4	94.0	74.2	62.4	48.4	40.2	34.0	30.2	24.2	20.6	11.7
	6V 5 OPzS 250	208.3	162.1	133.2	115.9	92.1	77.7	60.5	50.3	42.6	37.9	30.4	25.8	14.6
	6V 6 OPzS 300	248.3	193.2	158.9	138.4	109.1	92.1	71.6	59.5	50.4	44.7	35.9	30.4	17.2
	12V 1 OPzS 50	46.1	35.5	29.0	25.2	19.9	16.8	13.1	10.9	9.3	8.3	6.6	5.7	3.2
	12V 2 OPzS 100	90.1	68.5	55.6	47.9	37.5	31.5	24.3	20.2	17.0	15.1	12.1	10.3	5.8
	12V 3 OPzS 150	130.6	100.2	81.7	70.7	55.7	46.8	36.3	30.1	25.5	22.6	18.2	15.4	8.8
	2V cells	15 min	30 min	45 min	1 h	1.5 h	2 h	3 h	4 h	5 h	6 h	8 h	10 h	20 h
	2V 2 OPzS 100	90.2	70.4	58.0	50.5	40.2	34.0	26.5	22.1	18.8	16.7	13.3	11.5	6.5
	2V 3 OPzS 150	134.3	105.0	86.5	75.4	60.0	50.7	39.6	33.0	28.1	24.9	19.8	17.1	9.7
	2V 4 OPzS 200	172.9	134.9	111.0	96.6	76.6	64.7	50.3	41.8	35.5	31.5	25.1	21.5	12.2
	2V 5 OPzS 250	216.5	168.8	138.7	120.7	95.9	80.9	62.9	52.4	44.4	39.4	31.5	27.0	15.2
	2V 6 OPzS 300	259.6	202.3	166.7	145.3	114.8	97.0	75.4	62.8	53.3	47.2	37.7	32.3	18.2
	2V 5 OPzS 350	249.0	208.1	179.2	161.1	134.0	115.1	91.2	75.6	64.7	56.6	45.8	38.7	21.6
	2V 6 OPzS 420	298.4	249.7	214.7	192.8	160.8	137.9	109.9	90.6	77.5	68.0	55.0	46.5	25.9
	2V 7 OPzS 490	347.7	291.2	250.7	225.4	187.5	160.6	127.7	105.0	90.5	79.2	64.2	54.2	30.3
	2V 5 OPzS 500	344.1	293.6	255.7	231.9	195.1	168.7	135.5	112.2	97.4	85.4	68.9	58.9	32.9
	2V 6 OPzS 600	366.1	320.5	285.2	262.5	224.1	193.4	154.5	128.8	109.1	96.7	77.5	65.6	36.6
	2V 7 OPzS 700	427.7	375.0	333.4	306.8	262.3	226.5	183.4	155.4	134.6	119.6	95.7	81.1	45.1
	2V 8 OPzS 800	487.5	427.0	380.0	349.8	298.4	257.7	206.0	172.3	145.8	128.9	103.3	87.5	48.7
	2V 9 OPzS 900	549.9	481.9	428.5	394.3	336.6	290.8	234.8	198.8	171.1	151.3	121.8	103.1	57.1
	2V 10 OPzS 1000	609.4	533.9	475.1	437.4	373.9	322.3	257.6	215.0	182.6	160.8	129.2	109.5	61.0
	2V 12 OPzS 1200	729.3	639.1	569.0	523.9	447.5	386.2	308.7	257.3	218.1	193.2	154.9	131.2	73.1
	2V 11 OPzS 1400	745.6	676.8	611.4	568.8	492.5	435.5	354.9	299.4	260.7	230.9	187.5	158.1	89.6
	2V 12 OPzS 1500	809.1	735.2	664.2	618.0	535.2	473.4	382.5	320.5	276.2	244.6	198.3	166.9	94.8
	2V 14 OPzS 1700	944.0	856.9	774.4	720.7	624.0	552.3	451.2	382.1	333.6	295.1	239.2	202.1	114.2
	2V 15 OPzS 1875	1012.8	919.7	831.1	773.4	669.5	592.7	481.7	405.7	352.3	311.8	252.8	213.6	121.5
	2V 16 OPzS 2000	1082.7	982.7	887.5	825.6	714.3	632.3	510.5	427.7	368.5	325.9	264.8	222.7	126.5
	2V 20 OPzS 2250	1209.8	1099.9	995.0	926.6	803.9	710.8	580.1	490.1	426.7	378.2	305.9	257.4	144.5
	2V 20 OPzS 2500	1350.0	1227.0	1108.6	1031.6	893.7	790.2	639.0	536.4	462.4	409.0	331.9	279.1	158.0
	2V 24 OPzS 3000	1618.5	1469.9	1328.6	1236.7	1071.1	947.6	765.8	642.6	554.0	489.7	398.0	334.3	189.6

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Discharge Table in Amperes

End voltage 1.75 V/cell

Type	Monoblocks	15 min	30 min	45 min	1 h	1.5 h	2 h	3 h	4 h	5 h	6 h	8 h	10 h	20 h
	6V 3 OPzS 150	158.2	116.4	92.7	78.8	61.5	51.2	39.3	32.5	27.4	24.2	19.6	16.5	9.3
	6V 4 OPzS 200	205.4	151.3	120.4	102.3	79.7	66.2	50.6	41.8	35.2	31.1	25.3	21.2	12.0
	6V 5 OPzS 250	250.3	185.9	149.0	127.3	99.6	82.7	63.2	52.3	44.3	38.9	31.1	26.6	15.0
	6V 6 OPzS 300	298.3	221.2	176.7	150.7	117.6	98.5	74.7	62.0	52.3	46.0	36.9	31.4	17.8
	12V 1 OPzS 50	55.0	40.3	32.1	27.3	21.3	17.8	13.7	11.4	9.6	8.5	6.9	5.8	3.3
	12V 2 OPzS 100	107.3	77.6	61.2	51.7	40.0	33.2	25.3	20.9	17.6	15.6	12.7	10.6	6.0
	12V 3 OPzS 150	156.1	114.1	90.4	76.7	59.6	49.5	37.9	31.3	26.4	23.3	19.0	15.9	9.0
	2V cells	15 min	30 min	45 min	1 h	1.5 h	2 h	3 h	4 h	5 h	6 h	8 h	10 h	20 h
	2V 2 OPzS 100	108.2	80.6	64.6	55.2	43.3	36.2	27.8	23.0	19.5	17.2	14.0	11.8	6.6
	2V 3 OPzS 150	161.2	120.1	96.3	82.4	64.7	54.0	41.5	34.4	29.1	25.7	20.9	17.6	9.9
	2V 4 OPzS 200	207.8	154.6	123.7	105.6	82.6	68.8	52.7	43.6	36.8	32.5	26.3	22.1	12.5
	2V 5 OPzS 250	260.2	193.5	155.1	132.7	103.9	86.2	65.8	54.6	46.1	40.6	32.3	27.7	15.6
	2V 6 OPzS 300	311.9	231.8	185.6	158.5	123.8	103.8	78.9	65.5	55.3	48.7	38.7	33.3	18.8
	2V 5 OPzS 350	296.5	238.2	202.2	180.1	146.1	123.1	95.1	78.2	66.5	57.9	46.8	39.7	22.0
	2V 6 OPzS 420	354.8	285.8	242.5	215.8	174.9	147.9	114.1	93.8	79.8	69.5	56.2	47.5	26.4
	2V 7 OPzS 490	413.9	333.3	282.7	251.5	204.5	172.7	132.9	109.1	93.1	81.0	65.5	55.4	30.9
	2V 5 OPzS 500	411.4	337.5	290.0	260.3	214.7	182.8	142.1	117.3	100.2	87.7	70.9	60.2	33.6
	2V 6 OPzS 600	442.3	380.7	332.4	301.9	248.1	210.4	163.7	135.8	113.3	99.3	78.4	67.4	37.2
	2V 7 OPzS 700	516.9	445.0	388.7	353.1	290.3	245.7	194.5	163.5	139.7	122.9	96.3	83.2	45.9
	2V 8 OPzS 800	589.4	506.8	442.6	402.1	330.4	280.8	219.1	181.3	151.0	132.1	103.7	89.8	49.6
	2V 9 OPzS 900	664.9	571.7	499.2	453.4	372.6	316.0	248.9	208.9	177.3	155.5	122.2	105.2	58.2
	2V 10 OPzS 1000	736.2	634.4	554.2	503.5	413.9	351.4	273.8	226.1	188.9	166.0	129.7	112.6	62.0
	2V 12 OPzS 1200	881.5	759.3	663.4	602.8	495.6	420.4	328.0	271.4	226.4	198.6	156.3	134.4	74.3
	2V 11 OPzS 1400	906.2	794.0	702.3	643.7	546.5	475.5	380.5	318.6	274.8	243.0	196.4	164.2	92.9
	2V 12 OPzS 1500	984.1	862.0	763.1	699.8	594.1	516.5	410.2	340.8	290.5	256.7	208.1	173.9	98.2
	2V 14 OPzS 1700	1147.3	1005.4	889.5	815.5	692.9	602.5	483.9	405.4	350.8	310.2	251.0	210.1	119.1
	2V 15 OPzS 1875	1231.5	1078.6	954.6	875.4	743.7	647.1	516.6	431.1	370.6	327.9	265.5	222.5	125.4
	2V 16 OPzS 2000	1315.3	1152.7	1019.6	934.6	794.4	689.7	547.3	454.0	387.8	342.9	277.5	231.7	131.4
	2V 20 OPzS 2250	1472.1	1290.0	1141.4	1046.4	891.0	774.2	620.7	519.8	448.5	396.0	320.8	267.3	151.5
	2V 20 OPzS 2500	1641.9	1438.8	1273.7	1168.1	993.4	863.1	687.9	571.0	486.0	429.3	347.9	291.1	164.7
	2V 24 OPzS 3000	1967.2	1725.4	1526.6	1399.7	1191.1	1032.3	822.3	682.5	582.6	514.0	425.8	348.3	197.3

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Discharge Table in Amperes

End voltage 1.70 V/cell

Type	Monoblocks	15 min	30 min	45 min	1 h	1.5 h	2 h	3 h	4 h	5 h	6 h	8 h	10 h	20 h
	6V 3 OPzS 150	175.6	126.8	98.9	82.9	64.1	53.0	40.5	33.3	28.1	24.6	19.6	16.8	9.5
	6V 4 OPzS 200	228.2	165.2	128.7	107.8	83.2	68.6	52.2	42.8	36.1	31.6	25.3	21.6	12.2
	6V 5 OPzS 250	278.5	203.9	160.1	134.8	103.5	85.7	65.4	53.7	45.3	39.7	31.6	27.1	15.3
	6V 6 OPzS 300	332.6	243.0	190.4	160.1	123.1	101.3	77.4	63.5	53.6	47.0	37.4	32.0	18.1
	12V 1 OPzS 50	60.8	43.8	34.2	28.7	22.2	18.4	14.1	11.6	9.8	8.6	6.9	5.9	3.4
	12V 2 OPzS 100	118.5	84.0	65.0	54.1	41.6	34.3	26.1	21.4	18.0	15.8	12.6	10.8	6.1
	12V 3 OPzS 150	173.0	124.0	96.4	80.6	62.1	51.3	39.1	32.0	27.0	23.7	19.0	16.2	9.1
	2V cells	15 min	30 min	45 min	1 h	1.5 h	2 h	3 h	4 h	5 h	6 h	8 h	10 h	20 h
	2V 2 OPzS 100	120.4	88.2	69.2	58.3	45.2	37.5	28.7	23.6	20.0	17.5	14.0	12.0	6.8
	2V 3 OPzS 150	179.5	131.6	103.3	87.0	67.6	56.0	42.9	35.3	29.8	26.2	20.9	17.9	10.1
	2V 4 OPzS 200	231.7	169.4	132.7	111.6	86.4	71.4	54.4	44.7	37.7	33.1	26.3	22.5	12.7
	2V 5 OPzS 250	290.1	212.3	166.8	140.6	107.9	89.4	68.2	55.9	47.1	41.4	32.9	28.2	15.9
	2V 6 OPzS 300	347.7	254.5	199.9	168.3	129.7	106.8	81.7	67.2	56.6	49.8	39.5	33.9	19.1
	2V 5 OPzS 350	345.4	262.4	217.4	190.3	151.2	126.3	97.3	79.4	67.3	58.7	47.5	40.2	22.3
	2V 6 OPzS 420	414.4	315.0	260.8	228.1	181.1	152.1	116.2	95.3	80.8	70.5	56.9	48.2	26.8
	2V 7 OPzS 490	482.4	366.6	303.8	265.9	211.8	177.0	136.0	111.2	94.2	82.2	66.4	56.3	31.3
	2V 5 OPzS 500	481.5	373.2	313.8	277.5	223.8	188.2	145.8	119.5	101.7	88.9	72.2	61.1	34.2
	2V 6 OPzS 600	509.1	425.8	363.7	325.2	263.1	219.5	168.7	138.9	116.2	102.3	81.2	69.7	37.8
	2V 7 OPzS 700	594.7	498.1	425.4	380.4	307.4	256.7	200.6	167.5	143.6	126.7	99.3	86.1	46.8
	2V 8 OPzS 800	678.2	567.9	485.5	434.3	350.5	292.9	225.2	185.4	155.0	136.0	107.5	92.9	50.5
	2V 9 OPzS 900	764.8	640.0	546.7	488.8	395.6	330.0	256.0	213.9	182.2	160.3	126.0	109.0	59.3
	2V 10 OPzS 1000	847.9	710.6	607.1	543.0	439.0	366.6	281.9	232.2	193.8	170.9	134.4	116.4	63.1
	2V 12 OPzS 1200	1014.9	850.4	727.0	650.4	525.8	439.5	337.2	282.9	232.3	204.4	161.1	139.1	75.6
	2V 11 OPzS 1400	1083.2	924.4	795.2	714.7	592.5	506.5	397.4	328.7	283.7	249.0	201.4	168.1	95.1
	2V 12 OPzS 1500	1177.1	1001.2	863.0	776.7	644.2	551.4	429.1	357.3	300.3	263.6	213.1	177.9	100.5
	2V 14 OPzS 1700	1374.1	1168.8	1007.1	906.0	750.9	642.3	505.7	419.3	362.6	318.1	257.8	215.0	122.0
	2V 15 OPzS 1875	1466.1	1259.4	1082.5	972.2	805.8	690.0	540.4	446.1	383.4	335.9	272.4	227.5	128.3
	2V 16 OPzS 2000	1567.7	1340.9	1152.2	1034.7	859.4	735.4	571.2	469.0	399.7	351.0	284.5	237.5	134.3
	2V 20 OPzS 2250	1762.2	1504.8	1291.2	1158.3	963.3	825.7	647.5	536.6	463.3	406.9	329.7	274.2	154.4
	2V 20 OPzS 2500	1961.1	1676.8	1440.6	1293.4	1074.0	921.1	716.2	588.2	501.0	440.3	356.8	297.9	168.7
	2V 24 OPzS 3000	2354.4	2012.3	1728.1	1551.1	1291.5	1102.3	858.4	704.7	600.6	528.0	426.7	357.1	201.2

Design and/or specifications are subject to change without prior notice. For clarifications and updated information, please contact your local SUNLIGHT sales representative.

Discharge Table in Amperes

End voltage 1.65 V/cell

Type	Monoblocks	15 min	30 min	45 min	1 h	1.5 h	2 h	3 h	4 h	5 h	6 h	8 h	10 h	20 h
	6V 3 OPzS 150	191.4	133.5	102.7	85.3	65.5	54.1	41.1	33.8	28.4	25.0	19.9	17.0	9.6
	6V 4 OPzS 200	249.3	174.2	133.8	111.0	85.0	70.0	53.1	43.5	36.6	32.1	25.6	21.8	12.3
	6V 5 OPzS 250	305.4	215.8	166.9	139.1	105.9	87.4	66.5	54.5	45.9	40.3	31.9	27.4	15.5
	6V 6 OPzS 300	364.8	257.4	198.5	165.0	126.0	103.3	78.7	64.5	54.3	47.6	37.8	32.4	18.3
	12V 1 OPzS 50	66.0	45.9	35.4	29.4	22.7	18.8	14.3	11.8	10.0	8.8	7.0	6.0	3.4
	12V 2 OPzS 100	128.3	87.9	67.2	55.6	42.5	35.0	26.5	21.7	18.3	16.0	12.8	10.9	6.1
	12V 3 OPzS 150	188.1	130.2	99.9	82.8	63.4	52.3	39.7	32.5	27.4	24.0	19.2	16.3	9.2
	2V cells	15 min	30 min	45 min	1 h	1.5 h	2 h	3 h	4 h	5 h	6 h	8 h	10 h	20 h
	2V 2 OPzS 100	131.7	93.2	72.1	60.1	46.3	38.3	29.2	24.0	20.2	17.8	14.2	12.1	6.9
	2V 3 OPzS 150	196.4	139.1	107.6	89.7	69.1	57.1	43.6	35.8	30.2	26.5	21.1	18.0	10.2
	2V 4 OPzS 200	253.8	179.4	138.4	115.1	88.3	72.8	55.3	45.4	38.2	33.5	26.7	22.8	12.8
	2V 5 OPzS 250	317.8	224.7	173.9	144.9	110.4	91.2	69.3	56.8	47.8	41.9	33.3	28.5	16.0
	2V 6 OPzS 300	381.4	270.0	208.6	173.7	132.7	109.0	83.1	68.2	57.4	50.4	40.0	34.2	19.3
	2V 5 OPzS 350	383.3	282.6	229.5	197.9	155.5	129.2	99.2	80.7	68.3	59.6	48.1	40.7	22.6
	2V 6 OPzS 420	460.5	339.9	275.5	237.4	186.3	155.6	118.4	96.9	82.0	71.6	57.7	48.8	27.1
	2V 7 OPzS 490	536.4	396.3	321.4	277.0	218.1	181.1	138.6	113.1	95.6	83.5	67.4	57.0	31.6
	2V 5 OPzS 500	537.0	406.6	334.3	290.9	231.1	193.0	148.8	121.7	103.4	90.2	73.1	61.8	34.7
	2V 6 OPzS 600	570.4	466.1	389.0	342.2	272.3	225.5	172.2	141.3	118.0	103.8	82.3	70.6	38.2
	2V 7 OPzS 700	665.7	544.4	454.6	400.1	317.9	263.6	204.7	170.4	146.0	128.6	100.7	87.1	47.4
	2V 8 OPzS 800	760.1	622.5	520.0	457.6	362.9	301.0	229.9	188.8	157.4	138.1	109.0	94.1	51.0
	2V 9 OPzS 900	856.6	700.0	584.4	514.2	409.3	339.0	261.4	217.7	185.2	162.7	127.8	110.4	59.8
	2V 10 OPzS 1000	950.6	779.2	650.7	572.5	454.8	376.8	287.9	236.3	197.0	173.4	136.4	117.9	63.7
	2V 12 OPzS 1200	1138.6	934.6	780.5	686.8	545.3	452.1	344.4	288.2	236.0	207.6	163.5	140.9	76.4
	2V 11 OPzS 1400	1224.9	1026.9	866.7	768.4	621.2	524.6	407.2	335.2	289.1	252.9	204.3	170.3	96.5
	2V 12 OPzS 1500	1333.1	1115.6	944.4	839.0	677.8	572.4	440.1	364.7	306.1	268.0	216.3	180.2	101.5
	2V 14 OPzS 1700	1554.9	1299.8	1099.4	976.3	788.8	666.2	518.5	428.2	369.5	323.4	261.6	217.7	123.7
	2V 15 OPzS 1875	1659.5	1402.2	1183.1	1048.7	847.3	715.9	554.2	455.2	390.9	341.3	276.5	230.4	130.2
	2V 16 OPzS 2000	1773.6	1490.5	1256.4	1112.9	901.1	761.8	585.5	478.6	407.3	356.7	288.8	240.6	135.6
	2V 20 OPzS 2250	1993.7	1672.7	1408.0	1245.9	1010.0	855.3	663.7	547.5	472.2	413.5	334.6	277.8	156.0
	2V 20 OPzS 2500	2220.2	1867.2	1575.3	1396.3	1130.2	956.2	734.6	600.8	510.7	447.5	362.0	301.8	171.1
	2V 24 OPzS 3000	2669.1	2242.6	1892.5	1677.8	1361.1	1145.3	880.9	720.0	611.8	536.9	433.1	361.9	204.2

Design and/or specifications are subject to change without prior notice. For clarifications and updated information, please contact your local SUNLIGHT sales representative.

Discharge Table in Amperes

End voltage 1.60 V/cell

Type	Monoblocks	15 min	30 min	45 min	1 h	1.5 h	2 h	3 h	4 h	5 h	6 h	8 h	10 h	20 h
	6V 3 OPzS 150	203.4	137.5	105.1	86.9	66.5	54.8	41.6	34.1	28.7	25.2	20.1	17.2	9.6
	6V 4 OPzS 200	265.5	179.8	137.1	113.1	86.3	70.9	53.7	44.0	37.0	32.4	25.8	22.0	12.4
	6V 5 OPzS 250	326.7	223.3	171.2	141.8	107.5	88.7	67.3	55.1	46.4	40.7	32.2	27.6	15.6
	6V 6 OPzS 300	390.9	266.8	203.9	168.5	128.0	104.8	79.6	65.2	54.9	48.1	38.1	32.7	18.4
	12V 1 OPzS 50	69.9	47.3	36.2	30.0	23.0	19.0	14.5	11.9	10.1	8.8	7.1	6.0	3.4
	12V 2 OPzS 100	135.4	90.4	68.7	56.6	43.1	35.4	26.8	22.0	18.5	16.2	12.9	11.0	6.2
	12V 3 OPzS 150	199.4	134.2	102.2	84.3	64.4	53.0	40.1	32.9	27.7	24.2	19.3	16.5	9.3
	2V cells	15 min	30 min	45 min	1 h	1.5 h	2 h	3 h	4 h	5 h	6 h	8 h	10 h	20 h
	2V 3 OPzS 150	209.8	144.0	110.4	91.5	70.2	57.9	44.1	36.2	30.5	26.8	21.3	18.2	10.3
	2V 4 OPzS 200	271.5	185.6	141.9	117.3	89.7	73.8	56.0	45.8	38.6	33.8	26.9	23.0	12.9
	2V 5 OPzS 250	340.1	232.7	178.4	147.7	112.1	92.4	70.1	57.3	48.3	42.3	33.6	28.7	16.2
	2V 6 OPzS 300	408.6	279.5	214.0	177.1	134.8	110.5	84.0	68.9	58.0	50.9	40.3	34.5	19.4
	2V 5 OPzS 350	416.2	296.2	237.3	202.7	158.4	131.3	100.5	81.7	69.1	60.2	48.6	41.0	22.7
	2V 6 OPzS 420	500.8	356.8	285.2	243.3	189.8	158.1	120.0	98.0	82.9	72.3	58.3	49.3	27.3
	2V 7 OPzS 490	584.2	416.8	333.0	284.0	222.1	184.0	140.5	114.4	96.7	84.3	68.0	57.5	31.8
	2V 5 OPzS 500	587.8	430.9	348.0	299.0	235.8	196.3	150.8	123.2	104.5	91.2	73.8	62.3	35.0
	2V 6 OPzS 600	626.4	496.9	406.7	352.8	278.1	229.5	174.6	143.0	119.5	104.9	83.2	71.2	38.4
	2V 7 OPzS 700	730.0	579.6	474.6	411.9	324.6	268.3	207.6	172.6	147.7	129.9	101.7	87.9	47.9
	2V 8 OPzS 800	835.5	664.6	544.1	472.1	370.8	306.4	233.2	191.0	159.3	139.6	110.1	95.0	51.4
	2V 9 OPzS 900	940.0	745.8	610.5	529.6	418.0	345.0	265.0	220.2	187.4	164.4	129.1	111.4	60.3
	2V 10 OPzS 1000	1045.2	832.5	681.1	590.8	464.7	383.7	292.0	239.2	199.4	175.3	137.8	119.0	64.2
	2V 12 OPzS 1200	1253.9	1001.1	818.7	709.8	557.3	460.5	349.3	291.7	238.7	209.9	165.2	142.3	77.0
	2V 11 OPzS 1400	1357.9	1116.3	920.8	803.3	638.8	536.0	413.9	340.0	292.7	255.9	206.4	171.8	97.5
	2V 12 OPzS 1500	1481.2	1216.9	1007.0	880.4	698.1	585.2	447.4	369.6	310.1	271.1	218.7	182.0	102.4
	2V 14 OPzS 1700	1724.7	1414.9	1169.9	1022.2	811.6	681.0	527.0	434.4	374.1	327.3	264.3	219.7	125.0
	2V 15 OPzS 1875	1842.3	1527.9	1260.5	1099.7	872.1	732.0	563.5	461.7	395.9	345.3	279.4	232.5	131.6
	2V 16 OPzS 2000	1967.2	1621.3	1335.6	1163.9	926.8	778.3	595.0	484.8	412.5	360.7	291.8	242.9	137.0
	2V 20 OPzS 2250	2211.2	1819.5	1496.7	1303.0	1038.8	873.8	674.5	554.6	478.2	418.2	338.2	280.5	157.6
	2V 20 OPzS 2500	2465.2	2035.3	1679.0	1464.7	1163.6	977.8	746.9	609.5	517.1	453.1	365.8	304.5	172.9
	2V 24 OPzS 3000	2966.5	2448.3	2019.2	1761.1	1402.2	1171.3	895.7	730.1	619.7	543.1	437.9	365.2	206.4

Design and/or specifications are subject to change without prior notice. For clarifications and updated information, please contact your local SUNLIGHT sales representative.

Discharge Table in Watts

End Voltage 1.90 V/cell

Type	Monoblocks	15 min	30 min	45 min	1 h	1.5 h	2 h	3 h	4 h	5 h	6 h	8 h	10 h	20 h
	6V 3 OPzS 150	134.0	117.7	103.0	93.7	79.0	70.3	57.5	49.1	42.4	38.1	31.0	27.0	15.5
	6V 4 OPzS 200	172.9	152.1	133.1	121.1	101.9	90.6	74.0	63.2	54.4	49.1	39.5	34.7	19.7
	6V 5 OPzS 250	208.6	184.7	162.7	148.6	126.3	111.6	91.9	78.6	67.8	61.3	49.4	43.5	24.7
	6V 6 OPzS 300	248.4	219.5	193.3	176.7	149.6	133.0	109.0	93.0	80.3	72.6	58.2	51.3	29.2
	12V 1 OPzS 50	46.9	41.1	36.0	32.8	27.6	24.6	20.2	17.2	14.9	13.3	11.0	9.5	5.5
	12V 2 OPzS 100	92.3	79.8	69.3	62.6	52.3	46.3	37.6	32.0	27.5	24.8	19.9	17.4	9.9
	12V 3 OPzS 150	132.8	116.0	101.2	91.8	77.1	68.4	55.8	47.6	40.9	36.9	29.7	26.1	14.8
	2V cells	15 min	30 min	45 min	1 h	1.5 h	2 h	3 h	4 h	5 h	6 h	8 h	10 h	20 h
	2V 2 OPzS 100	90.6	80.5	70.9	64.8	54.9	49.0	40.3	34.5	29.8	26.7	22.1	19.0	11.1
	2V 3 OPzS 150	134.9	119.8	105.6	96.6	81.9	73.1	60.1	51.5	44.5	39.9	32.9	28.4	16.6
	2V 4 OPzS 200	173.4	153.8	135.3	123.6	104.5	93.2	76.4	65.3	56.4	50.8	41.3	36.0	20.7
	2V 5 OPzS 250	216.8	192.1	169.2	154.7	131.4	116.3	95.6	81.7	70.6	63.6	51.8	45.1	25.9
	2V 6 OPzS 300	259.4	229.7	202.6	185.3	157.2	139.9	114.8	97.9	84.6	76.3	62.1	54.1	31.2
	2V 5 OPzS 350	278.6	249.4	224.8	208.9	183.4	161.6	132.8	113.0	99.2	88.7	72.8	62.1	35.1
	2V 6 OPzS 420	333.9	298.8	269.3	250.3	220.7	194.0	159.3	135.6	118.9	106.2	87.3	74.5	42.1
	2V 7 OPzS 490	389.0	348.0	313.8	291.6	257.0	226.3	186.6	158.1	138.5	123.8	102.1	86.8	49.2
	2V 5 OPzS 500	381.3	346.8	316.3	296.4	264.3	234.8	195.8	167.0	146.4	131.5	110.3	93.2	53.9
	2V 6 OPzS 600	401.7	363.8	339.1	322.6	287.8	259.5	215.8	187.8	164.3	147.6	121.0	105.3	60.0
	2V 7 OPzS 700	469.5	424.6	396.0	376.9	336.0	302.7	257.2	227.9	203.0	182.6	149.3	129.7	74.3
	2V 8 OPzS 800	534.9	484.2	451.4	429.5	383.5	345.3	287.6	250.6	219.3	196.8	161.3	140.7	80.1
	2V 9 OPzS 900	603.6	546.5	509.1	484.1	431.8	389.3	328.9	290.6	257.0	230.7	189.4	164.9	94.1
	2V 10 OPzS 1000	668.7	606.1	564.6	536.8	479.6	432.2	359.6	313.6	273.6	246.1	201.8	175.3	99.8
	2V 12 OPzS 1200	800.1	725.0	675.6	642.6	574.3	517.2	430.8	375.1	328.2	294.0	241.8	210.4	119.5
	2V 11 OPzS 1400	832.7	776.2	724.5	689.9	622.1	566.8	484.6	420.4	374.2	337.9	281.5	241.7	139.7
	2V 12 OPzS 1500	903.5	842.6	786.6	749.1	675.6	615.6	522.4	449.9	395.5	357.2	297.9	255.2	148.3
	2V 14 OPzS 1700	1053.6	982.9	917.7	874.2	787.9	717.9	616.2	536.4	477.6	431.7	359.8	308.5	178.7
	2V 15 OPzS 1875	1131.2	1054.5	984.5	937.6	846.0	770.0	657.5	569.9	505.4	456.4	380.3	326.0	188.9
	2V 16 OPzS 2000	1208.8	1126.7	1051.3	1000.9	902.8	821.6	697.2	599.9	527.8	476.7	397.5	341.1	196.9
	2V 20 OPzS 2250	1357.9	1263.2	1180.5	1125.1	1018.0	926.8	796.1	690.9	614.1	553.3	462.9	396.2	227.8
	2V 20 OPzS 2500	1507.4	1407.1	1313.2	1250.3	1128.6	1027.6	871.9	751.2	660.5	596.8	497.7	426.8	247.2
	2V 24 OPzS 3000	1806.8	1686.3	1573.8	1498.6	1351.9	1231.1	1044.7	899.7	791.6	715.1	596.4	511.8	296.1

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Discharge Table in Watts

End Voltage 1.87 V/cell

Type	Monoblocks	15 min	30 min	45 min	1 h	1.5 h	2 h	3 h	4 h	5 h	6 h	8 h	10 h	20 h
	6V 3 OPzS 150	166.6	137.7	118.4	106.4	88.7	78.5	63.0	53.0	45.7	40.9	33.3	28.9	16.4
	6V 4 OPzS 200	215.1	178.1	153.1	137.6	114.5	101.3	81.2	68.2	58.7	52.5	42.7	37.2	20.9
	6V 5 OPzS 250	260.0	217.9	187.7	168.9	141.8	126.1	101.1	84.9	73.2	65.4	53.3	46.4	26.5
	6V 6 OPzS 300	309.9	259.0	223.0	200.6	168.7	149.2	119.7	100.7	86.6	77.6	63.0	54.9	31.1
	12V 1 OPzS 50	58.2	48.1	41.3	37.1	31.0	27.4	22.1	18.6	16.0	14.4	11.7	10.3	5.8
	12V 2 OPzS 100	114.2	93.2	79.4	70.9	58.6	51.6	41.2	34.5	29.6	26.4	21.5	18.7	10.5
	12V 3 OPzS 150	164.9	135.6	116.2	104.1	86.5	76.4	61.1	51.3	44.2	39.5	32.1	28.0	15.7
	2V cells	15 min	30 min	45 min	1 h	1.5 h	2 h	3 h	4 h	5 h	6 h	8 h	10 h	20 h
	2V 2 OPzS 100	112.9	94.5	81.7	73.7	61.7	54.9	44.3	37.3	32.2	28.9	23.5	20.7	11.7
	2V 3 OPzS 150	168.2	140.7	121.7	109.8	92.1	81.8	66.0	55.7	48.1	43.1	35.1	30.9	17.5
	2V 4 OPzS 200	216.3	180.6	156.0	140.6	117.6	104.3	83.8	70.6	60.9	54.5	44.4	38.6	21.9
	2V 5 OPzS 250	270.4	226.7	195.3	175.8	147.6	131.2	105.3	88.4	76.1	68.2	55.5	48.4	27.6
	2V 6 OPzS 300	323.7	271.2	233.8	210.4	177.3	156.9	126.0	106.2	91.4	81.8	66.6	58.0	33.1
	2V 5 OPzS 350	338.0	292.3	261.5	241.6	208.4	184.3	149.7	126.1	110.2	97.1	79.6	67.5	37.8
	2V 6 OPzS 420	405.0	350.6	313.7	289.9	249.7	220.7	179.2	150.7	131.9	116.2	95.5	81.0	45.4
	2V 7 OPzS 490	471.0	408.7	365.2	337.2	291.0	258.0	208.7	176.2	153.5	135.9	111.5	94.5	53.0
	2V 5 OPzS 500	463.5	408.9	369.5	343.8	300.1	268.0	219.1	186.0	163.2	144.7	119.6	101.7	57.8
	2V 6 OPzS 600	478.5	435.4	399.8	376.3	330.6	296.4	245.5	211.7	183.3	163.6	132.5	113.6	64.5
	2V 7 OPzS 700	559.5	509.1	467.2	439.6	386.8	346.4	292.0	255.8	227.0	201.5	162.9	140.9	79.7
	2V 8 OPzS 800	636.9	579.6	532.3	501.0	440.2	394.9	327.2	281.5	244.3	217.8	176.0	152.0	86.0
	2V 9 OPzS 900	718.9	654.0	600.2	564.7	496.5	445.0	373.6	325.5	287.8	255.5	206.2	178.2	101.1
	2V 10 OPzS 1000	796.9	725.4	665.6	626.3	551.2	493.9	408.3	262.6	306.4	272.1	219.7	189.7	107.5
	2V 12 OPzS 1200	953.1	867.8	797.2	750.7	659.8	590.7	489.3	421.9	367.0	326.0	262.9	227.9	129.1
	2V 11 OPzS 1400	1000.9	928.4	857.8	810.9	719.5	645.8	546.8	473.5	420.0	375.9	312.3	264.1	151.5
	2V 12 OPzS 1500	1086.8	1008.1	932.0	881.5	781.7	702.4	588.6	505.9	445.1	397.3	329.7	279.6	160.2
	2V 14 OPzS 1700	1267.7	1176.0	1086.6	1027.4	911.7	819.5	695.0	603.3	537.0	480.4	398.7	337.8	194.5
	2V 15 OPzS 1875	1359.6	1261.8	1166.2	1102.8	978.1	878.8	741.6	641.0	567.9	507.3	421.4	356.6	205.0
	2V 16 OPzS 2000	1453.7	1348.1	1245.3	1177.1	1044.7	937.3	785.4	675.0	593.4	530.7	440.6	372.8	214.0
	2V 20 OPzS 2250	1629.0	1511.0	1398.3	1323.4	1176.6	1055.2	893.5	775.7	690.2	615.7	511.7	430.3	245.3
	2V 20 OPzS 2500	1813.6	1683.0	1555.6	1471.0	1305.3	1172.4	983.2	844.5	743.1	663.8	551.4	467.5	268.6
	2V 24 OPzS 3000	2173.5	2017.4	1864.3	1762.7	1564.3	1405.7	1178.1	1011.9	890.1	796.1	661.1	559.9	321.8

Design and/or specifications are subject to change without prior notice. For clarifications and updated information, please contact your local SUNLIGHT sales representative.

Discharge Table in Watts

End Voltage 1.85 V/cell

Type	Monoblocks	15 min	30 min	45 min	1 h	1.5 h	2 h	3 h	4 h	5 h	6 h	8 h	10 h	20 h
	6V 3 OPzS 150	187.7	153.1	128.7	113.8	94.6	82.3	65.3	55.1	47.4	42.4	34.2	29.6	16.8
	6V 4 OPzS 200	242.8	198.1	166.6	147.3	122.2	106.2	84.2	71.0	60.9	54.5	44.0	37.7	21.5
	6V 5 OPzS 250	294.4	241.4	204.2	181.3	150.5	131.2	104.4	88.5	76.0	68.1	55.1	47.4	27.2
	6V 6 OPzS 300	350.4	287.9	243.2	215.8	179.2	155.3	123.8	104.8	89.9	80.5	65.2	55.8	32.0
	12V 1 OPzS 50	65.6	53.4	44.9	39.7	33.0	28.7	22.9	19.3	16.6	14.9	12.0	10.5	5.9
	12V 2 OPzS 100	128.5	103.3	86.2	75.7	62.4	54.0	42.6	35.8	30.7	27.4	22.1	18.9	10.7
	12V 3 OPzS 150	185.8	150.6	126.2	111.3	92.2	80.0	63.3	53.4	45.7	41.0	33.0	28.3	16.1
	2V cells	15 min	30 min	45 min	1 h	1.5 h	2 h	3 h	4 h	5 h	6 h	8 h	10 h	20 h
	2V 2 OPzS 100	127.5	105.1	88.9	78.9	65.9	57.6	45.9	38.9	33.5	30.0	24.1	21.2	12.0
	2V 3 OPzS 150	189.8	156.6	132.5	117.7	98.3	85.9	68.5	58.0	49.9	44.8	36.0	31.6	17.9
	2V 4 OPzS 200	244.4	201.0	169.8	150.7	125.6	109.5	87.0	73.5	63.2	56.6	45.7	39.6	22.5
	2V 5 OPzS 250	306.2	251.1	212.5	188.8	156.7	136.6	108.6	92.0	79.2	70.8	57.2	49.6	28.3
	2V 6 OPzS 300	366.2	301.3	254.9	226.4	188.4	163.4	130.4	110.4	94.9	84.9	68.7	59.5	34.0
	2V 5 OPzS 350	371.0	317.3	281.0	257.8	221.5	194.6	157.8	132.2	114.5	100.7	82.9	69.9	39.3
	2V 6 OPzS 420	444.0	380.6	337.6	310.1	265.8	233.0	189.3	158.8	138.1	121.4	99.8	83.9	47.2
	2V 7 OPzS 490	517.8	443.7	393.5	361.3	309.2	271.4	220.7	185.3	160.7	141.2	115.7	97.9	55.0
	2V 5 OPzS 500	510.4	444.8	398.8	369.0	319.4	282.5	232.3	196.2	171.1	150.6	123.9	106.4	59.8
	2V 6 OPzS 600	533.2	477.4	437.2	410.8	357.4	314.6	258.8	222.0	191.6	171.8	139.6	118.8	67.0
	2V 7 OPzS 700	623.2	558.1	511.1	480.1	418.5	367.8	307.4	268.2	236.4	211.7	172.8	147.2	82.7
	2V 8 OPzS 800	710.3	636.4	582.7	547.4	476.8	419.3	344.6	295.9	254.8	228.1	186.1	158.3	89.3
	2V 9 OPzS 900	801.4	717.0	656.7	617.0	537.2	471.6	393.2	341.0	298.6	266.9	218.2	185.6	104.4
	2V 10 OPzS 1000	888.2	796.2	728.8	684.5	595.8	523.4	430.8	368.3	317.4	284.6	231.9	197.2	111.7
	2V 12 OPzS 1200	1062.1	952.5	872.4	819.7	714.2	627.2	516.8	442.5	380.1	340.5	278.1	236.4	133.5
	2V 11 OPzS 1400	1101.7	1018.4	938.9	886.2	783.7	702.9	587.6	501.9	441.7	393.5	327.8	276.7	157.8
	2V 12 OPzS 1500	1195.2	1105.7	1019.5	962.5	851.6	764.3	633.1	536.3	466.9	416.7	346.2	293.0	166.6
	2V 14 OPzS 1700	1394.1	1289.5	1188.8	1122.1	993.3	891.1	746.6	639.6	564.7	503.1	419.1	354.6	201.0
	2V 15 OPzS 1875	1496.1	1383.4	1275.9	1204.7	1065.7	955.5	797.1	680.3	596.8	532.0	443.0	374.3	212.5
	2V 16 OPzS 2000	1598.6	1477.9	1362.4	1285.9	1137.3	1019.9	844.9	716.4	623.4	555.5	462.3	391.3	221.6
	2V 20 OPzS 2250	1787.5	1656.0	1529.4	1445.5	1281.4	1148.6	961.6	821.3	724.0	644.7	536.0	453.7	254.1
	2V 20 OPzS 2500	1994.4	1844.7	1701.5	1606.6	1421.7	1275.7	1056.7	896.2	780.6	696.0	579.2	489.8	278.3
	2V 24 OPzS 3000	2390.3	2210.9	2039.4	1925.8	1704.2	1528.7	1266.4	1074.5	935.6	833.4	694.2	587.0	333.7

Design and/or specifications are subject to change without prior notice. For clarifications and updated information, please contact your local SUNLIGHT sales representative.

Discharge Table in Watts

End Voltage 1.83 V/cell

Type	Monoblocks	15 min	30 min	45 min	1 h	1.5 h	2 h	3 h	4 h	5 h	6 h	8 h	10 h	20 h
	6V 3 OPzS 150	208.8	166.8	139.2	122.5	99.7	86.0	67.7	56.8	48.6	43.3	35.1	30.3	17.2
	6V 4 OPzS 200	270.3	216.1	180.3	158.6	128.9	111.0	87.2	73.1	62.5	55.5	45.1	38.7	22.0
	6V 5 OPzS 250	327.0	263.8	221.3	195.4	159.2	137.1	108.2	91.1	78.1	69.5	56.6	48.6	27.7
	6V 6 OPzS 300	389.9	313.9	263.4	232.5	188.9	162.9	128.6	107.6	92.1	82.1	66.9	57.2	32.6
	12V 1 OPzS 50	72.9	58.1	48.5	42.6	34.8	30.0	23.7	19.9	17.0	15.2	12.2	10.7	6.1
	12V 2 OPzS 100	142.7	112.4	93.1	81.4	65.7	56.4	44.0	36.8	31.4	27.9	22.6	19.4	11.0
	12V 3 OPzS 150	206.5	164.0	136.5	119.8	97.1	83.6	65.5	54.9	46.9	41.7	33.9	29.0	16.5
	2V cells	15 min	30 min	45 min	1 h	1.5 h	2 h	3 h	4 h	5 h	6 h	8 h	10 h	20 h
	2V 2 OPzS 100	142.0	114.7	96.3	85.0	69.6	60.2	47.6	40.1	34.4	30.6	24.7	21.6	12.2
	2V 3 OPzS 150	211.5	170.9	143.5	126.8	103.8	89.9	71.1	59.9	51.3	45.7	36.9	32.3	18.2
	2V 4 OPzS 200	272.3	219.5	184.0	162.4	132.6	114.6	90.4	75.9	65.0	57.8	46.9	40.5	23.0
	2V 5 OPzS 250	340.1	274.4	230.4	203.5	165.8	142.7	112.8	95.0	81.2	72.4	58.7	50.8	28.8
	2V 6 OPzS 300	407.7	328.6	276.1	244.0	198.5	171.5	135.6	113.6	97.2	86.8	70.4	60.9	34.5
	2V 5 OPzS 350	401.9	343.1	300.7	273.9	230.9	202.8	164.9	137.3	118.6	104.8	85.1	72.1	40.4
	2V 6 OPzS 420	481.9	411.3	361.0	329.1	277.3	243.3	197.5	164.9	142.3	125.5	102.0	86.5	48.5
	2V 7 OPzS 490	560.8	479.4	420.7	383.4	323.7	283.7	230.0	191.6	166.0	146.3	118.9	101.0	56.7
	2V 5 OPzS 500	553.9	481.4	427.0	392.2	334.8	295.8	242.4	203.5	176.9	156.8	127.2	109.7	61.5
	2V 6 OPzS 600	583.1	521.7	471.0	438.0	382.1	336.3	272.0	230.4	198.9	177.1	144.7	122.1	68.6
	2V 7 OPzS 700	681.2	609.5	550.6	512.3	447.2	393.4	323.5	278.6	244.8	219.0	178.0	150.6	84.7
	2V 8 OPzS 800	776.2	694.6	627.3	583.5	509.5	448.8	362.8	307.4	265.1	236.3	192.3	162.7	91.5
	2V 9 OPzS 900	875.5	783.2	707.5	658.2	574.8	505.1	414.2	354.5	309.9	276.3	225.4	191.0	107.4
	2V 10 OPzS 1000	970.2	869.2	784.6	729.7	637.4	560.8	453.9	383.7	329.8	294.0	240.1	203.6	114.8
	2V 12 OPzS 1200	1160.7	1040.1	939.4	873.9	763.7	671.5	543.2	460.2	395.5	352.9	287.4	243.0	136.7
	2V 11 OPzS 1400	1200.1	1101.6	1007.0	944.8	837.6	750.6	623.5	532.7	467.5	415.4	342.8	289.0	165.6
	2V 12 OPzS 1500	1303.0	1196.5	1094.1	1026.9	910.3	815.7	671.0	569.1	494.6	439.6	362.3	305.5	174.4
	2V 14 OPzS 1700	1518.9	1395.1	1275.8	1197.4	1060.9	951.5	792.3	678.2	597.5	530.9	438.1	369.9	211.6
	2V 15 OPzS 1875	1630.2	1497.2	1369.3	1285.2	1138.4	1020.9	846.0	721.1	631.6	561.0	463.0	390.7	223.2
	2V 16 OPzS 2000	1741.9	1598.8	1461.7	1371.6	1215.0	1089.2	895.7	760.1	660.1	586.3	484.3	407.8	233.3
	2V 20 OPzS 2250	1948.3	1790.0	1638.5	1538.9	1366.6	1226.3	1018.8	871.9	763.9	678.8	559.4	469.2	267.9
	2V 20 OPzS 2500	2173.5	1996.5	1826.3	1714.3	1519.3	1362.0	1121.6	950.9	826.4	734.0	606.3	511.4	291.1
	2V 24 OPzS 3000	2605.1	2392.5	2188.7	2054.7	1820.7	1632.7	1344.2	1140.2	990.4	879.3	726.4	612.7	348.5

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Discharge Table in Watts

End Voltage 1.80 V/cell

Type	Monoblocks	15 min	30 min	45 min	1 h	1.5 h	2 h	3 h	4 h	5 h	6 h	8 h	10 h	20 h
	6V 3 OPzS 150	240.7	186.3	153.1	133.3	106.2	90.3	70.4	58.9	50.2	44.6	36.0	30.9	17.6
	6V 4 OPzS 200	311.6	241.4	198.4	172.7	137.5	116.7	90.8	75.9	64.6	57.3	46.3	39.4	22.5
	6V 5 OPzS 250	378.5	295.2	244.1	213.4	169.8	144.8	113.3	94.9	80.8	71.8	58.2	49.5	28.3
	6V 6 OPzS 300	451.6	351.8	290.8	254.0	202.1	171.6	134.6	112.5	95.4	84.9	68.8	58.3	33.3
	12V 1 OPzS 50	83.9	64.7	53.2	46.3	37.0	31.5	24.6	20.6	17.6	15.7	12.6	10.9	6.2
	12V 2 OPzS 100	164.2	125.3	102.1	88.3	69.8	59.0	45.7	38.1	32.4	28.7	23.2	19.7	11.2
	12V 3 OPzS 150	237.8	182.9	149.9	130.2	103.3	87.6	68.1	56.9	48.4	43.0	34.8	29.6	16.9
	2V cells	15 min	30 min	45 min	1 h	1.5 h	2 h	3 h	4 h	5 h	6 h	8 h	10 h	20 h
	2V 2 OPzS 100	164.0	128.2	106.0	92.7	74.3	63.4	49.6	41.7	35.6	31.7	25.4	22.0	12.5
	2V 3 OPzS 150	244.3	191.1	158.1	138.2	110.8	94.7	74.1	62.2	53.1	47.3	37.9	32.8	18.6
	2V 4 OPzS 200	314.5	245.6	202.9	177.2	141.6	120.7	94.2	78.8	67.2	59.7	48.1	41.3	23.5
	2V 5 OPzS 250	393.7	307.4	254.2	222.2	176.8	150.9	117.9	98.7	84.2	74.7	60.2	51.6	29.4
	2V 6 OPzS 300	471.8	368.2	304.8	266.6	212.5	180.7	141.7	118.6	100.8	89.6	72.2	61.9	35.2
	2V 5 OPzS 350	453.0	379.6	328.2	295.9	247.1	214.1	171.3	142.6	122.8	107.1	87.6	74.1	41.6
	2V 6 OPzS 420	542.8	454.7	393.6	355.2	296.5	256.7	204.9	171.2	146.6	128.8	105.1	88.9	50.0
	2V 7 OPzS 490	632.4	529.7	458.3	413.6	345.9	299.2	239.5	198.1	171.3	150.5	122.9	104.1	58.4
	2V 5 OPzS 500	625.9	533.3	466.3	424.0	358.6	312.9	253.0	210.8	183.6	161.7	131.6	113.0	63.3
	2V 6 OPzS 600	665.6	583.8	522.1	482.3	414.0	359.5	290.0	242.5	207.2	183.4	148.0	125.3	70.5
	2V 7 OPzS 700	778.4	682.4	610.2	563.6	483.2	420.7	343.7	292.8	255.1	226.4	183.2	154.8	87.1
	2V 8 OPzS 800	887.0	777.3	695.5	642.6	551.4	479.1	385.9	323.6	275.5	244.7	197.6	167.9	94.0
	2V 9 OPzS 900	1000.3	876.9	784.1	724.4	620.8	540.3	440.4	373.7	324.2	287.5	231.6	197.2	110.4
	2V 10 OPzS 1000	1108.4	972.6	869.9	803.6	689.3	599.2	483.1	405.0	345.1	305.4	247.3	209.9	117.8
	2V 12 OPzS 1200	1327.1	1164.1	1041.5	962.5	825.5	717.9	578.3	485.5	413.0	366.4	295.7	251.3	140.7
	2V 11 OPzS 1400	1356.7	1233.0	1119.0	1044.6	907.8	808.9	664.1	564.2	493.8	437.6	357.8	302.1	173.4
	2V 12 OPzS 1500	1472.9	1338.4	1215.0	1134.3	987.2	879.8	715.5	603.6	523.0	463.8	378.4	319.6	183.1
	2V 14 OPzS 1700	1718.0	1561.4	1417.5	1323.4	1150.7	1025.5	843.8	718.7	631.7	560.0	457.0	386.0	221.3
	2V 15 OPzS 1875	1842.6	1674.8	1520.3	1419.4	1235.3	1101.0	900.7	764.7	667.0	591.3	483.1	407.9	233.9
	2V 16 OPzS 2000	1969.3	1789.3	1623.7	1515.6	1318.0	1174.3	955.3	804.8	697.5	618.5	505.3	426.0	244.0
	2V 20 OPzS 2250	2200.5	2002.6	1820.3	1701.1	1483.3	1320.1	1085.5	922.2	807.6	717.7	583.8	492.5	278.7
	2V 20 OPzS 2500	2458.0	2234.2	2028.4	1893.9	1647.4	1468.3	1195.6	1008.8	874.1	774.4	633.4	533.8	304.7
	2V 24 OPzS 3000	2945.8	2678.4	2431.8	2270.7	1975.6	1760.9	1433.3	1209.3	1047.1	927.9	759.4	639.2	365.0

Design and/or specifications are subject to change without prior notice. For clarifications and updated information, please contact your local SUNLIGHT sales representative.

Discharge Table in Watts

End Voltage 1.75 V/cell

Type	Monoblocks	15 min	30 min	45 min	1 h	1.5 h	2 h	3 h	4 h	5 h	6 h	8 h	10 h	20 h
	6V 3 OPzS 150	283.9	210.6	168.6	143.9	113.2	94.6	73.3	61.0	51.9	45.8	37.4	31.6	17.9
	6V 4 OPzS 200	368.3	273.6	218.8	186.7	146.7	122.3	94.6	78.5	66.7	58.9	48.3	40.5	22.9
	6V 5 OPzS 250	444.6	335.0	269.3	230.7	182.2	152.6	118.0	97.7	83.6	73.7	59.4	50.8	28.9
	6V 6 OPzS 300	529.9	398.3	320.6	274.8	216.3	181.1	139.3	116.2	98.3	87.2	70.3	60.0	34.1
	12V 1 OPzS 50	98.7	73.0	58.4	49.9	39.3	32.9	25.6	21.3	18.2	16.1	13.2	11.1	6.3
	12V 2 OPzS 100	193.0	141.1	111.8	94.8	74.0	61.5	47.5	39.3	33.4	29.5	24.2	20.2	11.5
	12V 3 OPzS 150	280.3	206.8	164.7	140.2	109.9	91.6	70.9	58.8	50.0	44.1	36.2	30.3	17.2
	2V cells	15 min	30 min	45 min	1 h	1.5 h	2 h	3 h	4 h	5 h	6 h	8 h	10 h	20 h
	2V 2 OPzS 100	193.9	145.3	117.1	100.4	79.5	66.6	51.9	43.2	36.8	32.6	26.6	22.5	12.7
	2V 3 OPzS 150	288.9	216.7	174.6	149.8	118.7	99.5	77.5	64.5	54.9	48.6	39.8	33.5	19.0
	2V 4 OPzS 200	372.2	278.9	224.3	192.2	151.7	126.8	98.4	81.8	69.5	61.4	50.1	42.3	23.9
	2V 5 OPzS 250	462.3	348.5	280.4	240.4	189.9	159.0	123.0	101.9	87.0	76.9	61.6	53.0	29.9
	2V 6 OPzS 300	553.8	417.2	336.4	288.8	227.6	190.8	146.9	122.7	103.9	92.2	73.8	63.6	35.9
	2V 5 OPzS 350	526.8	428.4	366.3	327.8	268.1	227.4	176.7	146.8	125.1	109.3	89.1	75.7	42.2
	2V 6 OPzS 420	631.3	514.3	439.5	393.1	321.5	272.9	212.3	175.6	150.8	131.1	107.2	90.8	50.7
	2V 7 OPzS 490	735.6	599.2	512.3	458.3	375.0	318.5	248.0	204.4	175.6	152.9	125.0	106.3	59.1
	2V 5 OPzS 500	730.3	605.0	523.2	472.0	391.4	335.3	264.0	218.9	188.4	165.0	135.0	115.2	64.2
	2V 6 OPzS 600	785.6	684.3	601.5	548.9	454.9	387.7	305.3	253.7	213.6	187.7	149.3	128.4	71.2
	2V 7 OPzS 700	918.2	799.6	702.6	641.1	532.0	454.0	362.1	306.1	263.5	231.8	183.8	158.9	87.9
	2V 8 OPzS 800	1046.3	912.0	801.2	730.9	606.2	517.4	407.3	338.8	284.1	250.3	198.2	171.2	94.9
	2V 9 OPzS 900	1180.5	1028.2	903.5	824.4	683.5	582.7	463.9	390.9	334.6	294.1	232.4	201.4	111.6
	2V 10 OPzS 1000	1308.1	1140.5	1002.2	914.4	758.2	647.5	509.6	423.4	355.8	313.1	247.2	214.2	119.1
	2V 12 OPzS 1200	1565.7	1365.8	1200.6	1095.7	908.3	776.3	610.0	507.9	426.8	376.1	296.7	257.6	142.0
	2V 11 OPzS 1400	1609.8	1346.8	1239.7	1169.0	1000.7	875.5	707.2	595.9	516.5	458.8	374.6	314.1	177.4
	2V 12 OPzS 1500	1747.6	1550.4	1379.9	1270.4	1088.0	951.5	763.6	637.4	546.7	485.1	396.0	331.7	188.1
	2V 14 OPzS 1700	2038.7	1807.7	1608.9	1481.3	1268.4	1110.3	899.1	758.6	660.4	586.3	478.8	401.0	227.3
	2V 15 OPzS 1875	2187.2	1940.1	1726.6	1589.5	1361.4	1191.2	961.1	806.8	698.8	619.5	505.8	423.9	239.9
	2V 16 OPzS 2000	2337.1	2072.6	1843.7	1696.8	1454.8	1271.3	1018.6	850.6	730.3	647.8	527.9	443.0	250.9
	2V 20 OPzS 2250	2615.7	2319.5	2063.8	1899.7	1631.7	1427.1	1155.4	973.7	844.5	748.0	610.2	511.2	289.3
	2V 20 OPzS 2500	2916.8	2587.6	2303.0	2120.3	1818.6	1589.4	1279.3	1067.2	915.3	811.1	661.4	554.8	314.6
	2V 24 OPzS 3000	3495.5	3101.7	2761.0	2542.2	2181.2	1901.2	1528.9	1277.2	1096.7	972.5	810.3	665.2	376.8

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Discharge Table in Watts

End Voltage 1.70 V/cell

Type	Monoblocks	15 min	30 min	45 min	1 h	1.5 h	2 h	3 h	4 h	5 h	6 h	8 h	10 h	20 h
	6V 3 OPzS 150	305.2	226.8	178.6	150.8	116.7	97.4	75.1	62.1	52.8	46.5	37.3	32.0	18.1
	6V 4 OPzS 200	396.3	295.1	232.2	195.9	151.3	126.0	96.9	80.0	67.9	59.7	48.0	41.0	23.2
	6V 5 OPzS 250	482.3	362.5	286.9	243.0	188.1	157.3	120.9	100.6	85.1	74.9	59.9	51.5	29.3
	6V 6 OPzS 300	575.7	431.4	340.8	288.3	223.9	186.8	143.0	118.1	100.3	88.7	71.0	60.8	34.6
	12V 1 OPzS 50	105.8	78.4	61.8	52.2	40.5	33.9	26.2	21.7	18.5	16.3	13.1	11.2	6.4
	12V 2 OPzS 100	206.8	151.1	118.0	99.0	76.1	63.3	48.6	40.1	34.0	29.9	24.0	20.5	11.6
	12V 3 OPzS 150	301.0	222.3	174.4	146.8	113.3	94.3	72.6	59.9	50.9	44.7	36.0	30.7	17.4
	2V cells	15 min	30 min	45 min	1 h	1.5 h	2 h	3 h	4 h	5 h	6 h	8 h	10 h	20 h
	2V 2 OPzS 100	208.7	157.0	124.5	105.6	82.1	68.7	53.1	44.0	37.5	33.0	26.5	22.7	12.9
	2V 3 OPzS 150	311.1	234.3	185.8	157.6	122.6	102.6	79.3	65.7	56.0	49.3	39.6	33.9	19.3
	2V 4 OPzS 200	401.4	301.6	238.7	202.2	156.7	130.8	100.8	83.4	70.7	62.3	49.9	42.8	24.2
	2V 5 OPzS 250	502.2	377.2	298.8	253.3	196.0	164.0	126.0	104.8	88.5	78.1	62.3	53.6	30.3
	2V 6 OPzS 300	601.7	451.8	357.5	302.9	235.7	196.8	150.9	124.8	105.9	93.8	74.8	64.4	36.4
	2V 5 OPzS 350	597.9	466.4	389.8	343.3	274.7	231.8	179.9	148.1	126.3	110.4	89.8	76.3	42.6
	2V 6 OPzS 420	716.9	558.5	467.3	411.8	329.3	279.3	215.6	177.8	152.0	133.2	108.3	91.6	51.2
	2V 7 OPzS 490	835.7	651.4	545.0	480.2	383.9	325.0	251.4	207.6	176.9	155.0	126.1	106.5	59.7
	2V 5 OPzS 500	832.6	659.8	559.4	497.5	403.0	343.6	268.2	222.3	190.3	167.1	136.7	115.3	65.1
	2V 6 OPzS 600	880.8	756.7	651.8	586.3	477.2	402.9	311.7	259.8	217.7	192.7	153.2	132.3	72.1
	2V 7 OPzS 700	1029.4	883.0	760.8	684.5	557.5	471.2	369.6	313.2	269.5	238.6	188.7	163.7	89.1
	2V 8 OPzS 800	1173.2	1007.2	868.2	781.3	635.7	536.7	414.9	346.0	291.1	257.1	204.0	176.1	96.2
	2V 9 OPzS 900	1323.5	1135.5	978.2	880.0	716.1	605.0	473.4	399.1	341.7	301.9	239.1	207.2	112.7
	2V 10 OPzS 1000	1467.7	1260.5	1086.1	977.1	794.8	672.9	519.4	432.6	363.8	321.9	255.0	220.9	120.1
	2V 12 OPzS 1200	1756.8	1508.5	1300.5	1170.6	952.3	805.8	622.8	518.3	435.9	386.0	305.4	264.4	144.0
	2V 11 OPzS 1400	1874.6	1639.1	1421.4	1284.8	1071.9	928.3	732.6	612.2	531.4	468.9	381.7	320.1	181.3
	2V 12 OPzS 1500	2037.7	1776.0	1543.3	1396.9	1165.3	1009.4	791.1	655.6	562.6	496.3	404.1	338.7	192.0
	2V 14 OPzS 1700	2378.7	2073.5	1800.7	1629.1	1358.5	1177.0	931.5	780.7	679.3	599.3	487.9	408.9	232.2
	2V 15 OPzS 1875	2537.4	2233.7	1935.6	1748.5	1457.8	1264.0	995.7	830.1	717.8	633.7	515.9	431.9	244.8
	2V 16 OPzS 2000	2713.7	2377.6	2059.7	1860.3	1555.2	1347.9	1053.3	874.0	750.2	662.0	539.0	451.1	255.8
	2V 20 OPzS 2250	3050.3	2668.3	2308.2	2082.6	1743.1	1513.3	1194.0	999.9	869.7	767.3	624.6	520.8	294.2
	2V 20 OPzS 2500	3394.3	2973.4	2575.3	2325.6	1942.1	1687.2	1318.0	1094.1	939.6	829.3	674.6	565.8	320.6
	2V 24 OPzS 3000	4075.9	3568.5	3088.9	2788.3	2335.4	2020.0	1580.4	1312.1	1125.8	994.8	807.5	677.4	384.5

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Discharge Table in Watts

End Voltage 1.65 V/cell

Type	Monoblocks	15 min	30 min	45 min	1 h	1.5 h	2 h	3 h	4 h	5 h	6 h	8 h	10 h	20 h
	6V 3 OPzS 150	327.3	237.5	185.0	155.0	119.2	99.2	76.3	63.0	53.5	47.1	37.7	32.4	18.3
	6V 4 OPzS 200	425.7	309.4	240.6	201.3	154.5	128.4	98.5	81.2	68.8	60.5	48.5	41.5	23.4
	6V 5 OPzS 250	519.3	381.1	297.9	250.2	192.2	160.4	122.9	102.1	86.3	76.0	60.5	52.1	29.5
	6V 6 OPzS 300	619.9	453.9	353.9	296.7	228.9	190.4	145.3	119.9	101.7	89.8	71.7	61.5	34.9
	12V 1 OPzS 50	113.2	81.9	63.9	53.5	41.3	34.5	26.6	22.0	18.7	16.5	13.3	11.4	6.5
	12V 2 OPzS 100	220.9	157.5	121.8	101.5	77.7	64.4	49.3	40.6	34.4	30.3	24.3	20.7	11.7
	12V 3 OPzS 150	322.5	232.3	180.3	150.6	115.6	96.1	73.7	60.8	51.6	45.3	36.4	31.1	17.6
	2V cells	15 min	30 min	45 min	1 h	1.5 h	2 h	3 h	4 h	5 h	6 h	8 h	10 h	20 h
	2V 2 OPzS 100	224.3	164.9	129.2	108.6	83.9	70.0	54.0	44.7	38.0	33.5	26.8	23.0	13.1
	2V 3 OPzS 150	334.4	246.0	192.8	162.2	125.3	104.6	80.6	66.7	56.7	49.9	40.1	34.3	19.5
	2V 4 OPzS 200	432.0	317.3	248.0	208.2	160.2	133.3	102.5	84.6	71.7	63.1	50.5	43.3	24.4
	2V 5 OPzS 250	540.5	396.9	310.4	260.7	200.3	167.1	128.0	106.3	89.8	79.1	63.1	54.2	30.6
	2V 6 OPzS 300	684.4	497.0	384.6	320.5	245.9	204.1	155.4	128.2	108.6	96.1	76.5	65.7	37.0
	2V 5 OPzS 350	648.8	496.8	408.8	356.0	282.1	236.9	183.2	150.5	128.0	112.0	91.1	77.3	43.0
	2V 6 OPzS 420	778.7	595.7	490.5	427.3	338.4	285.5	219.6	180.7	154.2	135.1	109.7	92.8	51.7
	2V 7 OPzS 490	908.4	695.8	572.6	498.6	394.6	332.4	256.1	211.0	179.4	157.3	127.9	107.8	60.3
	2V 5 OPzS 500	906.2	708.3	590.9	519.6	415.4	352.1	273.5	226.2	193.3	169.5	138.5	116.6	66.0
	2V 6 OPzS 600	961.6	814.9	690.6	614.0	492.9	413.4	317.9	264.3	220.9	195.5	155.4	133.9	72.8
	2V 7 OPzS 700	1122.4	949.7	805.5	716.7	575.6	483.4	376.8	318.4	273.9	242.0	191.2	165.6	90.4
	2V 8 OPzS 800	1281.7	1085.6	920.6	819.0	657.0	550.9	423.2	352.1	295.5	261.0	206.9	178.3	97.2
	2V 9 OPzS 900	1443.9	1222.2	1036.2	921.6	739.5	620.7	482.9	406.0	347.2	306.3	242.5	209.8	113.8
	2V 10 OPzS 1000	1603.7	1359.0	1152.2	1024.9	821.7	690.9	529.9	440.2	369.5	326.6	258.6	223.7	121.3
	2V 12 OPzS 1200	1919.0	1628.9	1381.8	1229.6	985.2	827.8	635.5	527.6	442.6	391.8	309.8	267.8	145.4
	2V 11 OPzS 1400	2056.3	1781.0	1526.2	1367.9	1119.9	959.7	749.9	624.0	541.2	476.2	387.2	324.1	183.9
	2V 12 OPzS 1500	2240.6	1934.2	1662.1	1492.6	1221.0	1045.4	810.5	668.8	573.1	504.3	410.1	343.1	194.0
	2V 14 OPzS 1700	2611.0	2254.3	1935.6	1737.1	1421.4	1218.0	954.0	796.5	691.9	608.9	494.8	414.0	235.5
	2V 15 OPzS 1875	2787.7	2430.7	2083.1	1867.0	1526.2	1308.6	1019.9	846.3	731.4	643.7	523.4	437.5	248.3
	2V 16 OPzS 2000	2978.1	2585.0	2212.8	1981.7	1625.1	1393.6	1078.4	891.1	764.0	672.4	547.0	456.9	258.4
	2V 20 OPzS 2250	3347.6	2901.0	2479.8	2218.5	1821.5	1564.7	1222.4	1019.4	885.8	779.5	633.9	527.6	297.2
	2V 20 OPzS 2500	3729.2	3235.9	2772.2	2484.1	2034.0	1747.4	1350.4	1116.3	957.2	842.6	684.3	573.0	325.2
	2V 24 OPzS 3000	4482.9	3887.7	3329.3	2982.5	2449.1	2093.4	1619.8	1338.1	1147.5	1010.8	819.5	686.1	390.2

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Discharge Table in Watts

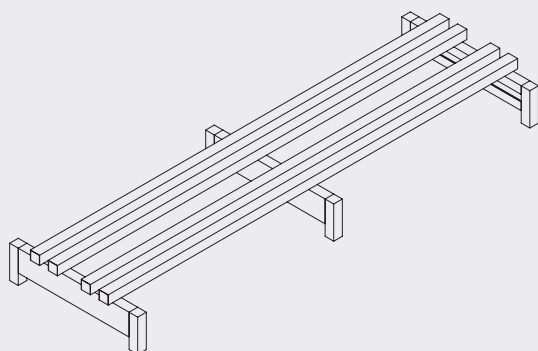
End Voltage 1.60 V/cell

Type	Monoblocks	15 min	30 min	45 min	1 h	1.5 h	2 h	3 h	4 h	5 h	6 h	8 h	10 h	20 h
	6V 3 OPzS 150	344.1	244.1	189.0	157.7	120.9	100.5	77.1	63.7	54.0	47.5	38.1	32.6	18.4
	6V 4 OPzS 200	448.1	318.5	246.2	205.0	156.9	130.1	99.6	82.1	69.5	61.1	48.9	41.9	23.6
	6V 5 OPzS 250	548.2	393.2	305.1	254.9	195.2	162.5	124.2	103.2	87.1	76.7	61.1	52.6	29.8
	6V 6 OPzS 300	655.0	468.7	362.7	302.4	232.4	192.9	147.0	121.2	102.7	90.7	72.2	62.1	35.2
	12V 1 OPzS 50	118.7	84.1	65.2	54.5	41.9	34.9	26.9	22.3	18.9	16.7	13.4	11.5	6.5
	12V 2 OPzS 100	231.2	161.5	124.3	103.2	78.8	65.2	49.9	41.1	34.8	30.6	24.4	20.9	11.8
	12V 3 OPzS 150	338.4	238.7	184.2	153.3	117.3	97.3	74.5	61.4	52.1	45.8	36.6	31.4	17.7
	2V cells	15 min	30 min	45 min	1 h	1.5 h	2 h	3 h	4 h	5 h	6 h	8 h	10 h	20 h
	2V 2 OPzS 100	236.5	170.0	132.3	110.7	85.2	71.0	54.6	45.2	38.4	33.8	27.1	23.1	13.2
	2V 3 OPzS 150	352.8	253.8	197.4	165.2	127.2	106.0	81.6	67.4	57.3	50.4	40.4	34.6	19.7
	2V 4 OPzS 200	456.0	327.1	253.8	211.9	162.6	135.1	103.6	85.4	72.4	63.8	51.0	43.7	24.6
	2V 5 OPzS 250	570.6	409.4	317.7	265.4	203.4	169.4	129.5	107.4	90.8	79.8	63.7	54.7	30.8
	2V 6 OPzS 300	684.5	491.0	380.6	317.7	244.7	203.3	155.1	127.9	108.5	95.9	76.4	65.6	37.0
	2V 5 OPzS 350	691.3	517.7	421.3	364.1	286.9	240.5	185.5	152.1	129.4	113.1	92.0	78.0	43.4
	2V 6 OPzS 420	830.3	621.5	505.9	437.2	344.2	289.9	222.5	182.7	155.8	136.4	110.8	93.6	52.1
	2V 7 OPzS 490	969.4	727.0	591.2	510.5	401.5	337.5	259.4	213.4	181.3	158.9	129.2	108.8	60.7
	2V 5 OPzS 500	969.6	743.9	612.0	532.9	423.3	357.9	277.0	229.0	195.4	171.4	139.8	117.6	66.6
	2V 6 OPzS 600	1030.9	859.1	717.6	631.5	502.7	420.4	322.2	267.4	223.5	197.6	157.0	135.2	73.4
	2V 7 OPzS 700	1202.2	1000.3	836.2	736.4	586.8	491.6	381.9	322.4	277.0	244.5	193.0	167.1	91.3
	2V 8 OPzS 800	1374.8	1145.6	957.4	842.9	670.2	560.4	429.0	356.3	298.9	263.7	209.0	179.9	97.9
	2V 9 OPzS 900	1547.4	1288.2	1076.1	947.2	754.2	631.3	489.4	410.6	351.2	309.5	244.9	211.7	114.6
	2V 10 OPzS 1000	1720.4	1434.8	1198.5	1054.8	838.3	702.8	537.1	445.4	373.9	330.1	261.1	225.7	122.2
	2V 12 OPzS 1200	2061.0	1722.3	1439.3	1267.2	1005.6	842.4	644.4	534.0	447.6	396.0	312.9	270.2	146.5
	2V 11 OPzS 1400	2217.6	1900.2	1604.6	1423.2	1148.9	979.2	761.7	632.5	547.8	481.5	391.1	327.1	185.8
	2V 12 OPzS 1500	2417.0	2068.0	1751.5	1556.8	1254.5	1067.1	823.5	677.4	580.4	509.9	414.5	346.3	195.8
	2V 14 OPzS 1700	2815.9	2407.0	2037.1	1809.7	1459.2	1243.2	969.1	807.6	700.3	616.1	499.8	417.7	237.9
	2V 15 OPzS 1875	3006.1	2596.9	2193.8	1946.3	1567.8	1335.7	1036.3	858.0	740.5	650.8	528.8	441.4	250.9
	2V 16 OPzS 2000	3212.6	2759.3	2327.2	2062.3	1667.4	1421.9	1095.1	902.4	773.6	679.8	552.6	461.2	261.0
	2V 20 OPzS 2250	3611.2	3096.6	2607.9	2308.7	1869.0	1596.5	1241.4	1032.3	896.8	788.0	640.4	532.4	300.2
	2V 20 OPzS 2500	4022.0	3457.5	2920.7	2591.2	2090.1	1784.0	1372.2	1132.0	969.0	852.7	691.2	578.1	328.5
	2V 24 OPzS 3000	4837.1	4158.7	3511.8	3114.8	2518.4	2137.9	1646.5	1356.8	1162.0	1021.9	828.0	692.4	394.3

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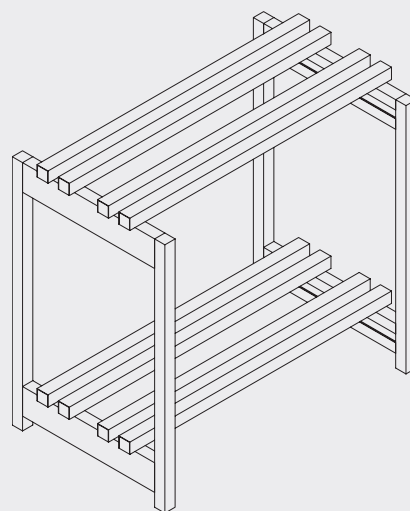
Indicative Installation Racks

Rack 1 floor - 2 rows



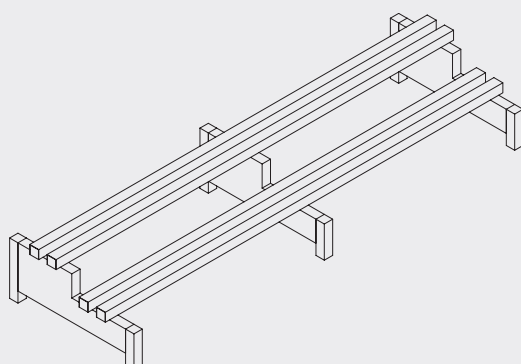
1

Rack 2 floors - 2 rows



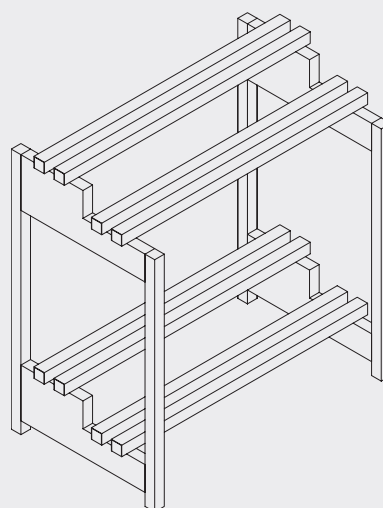
1A

Rack 1 floor - 2 steps



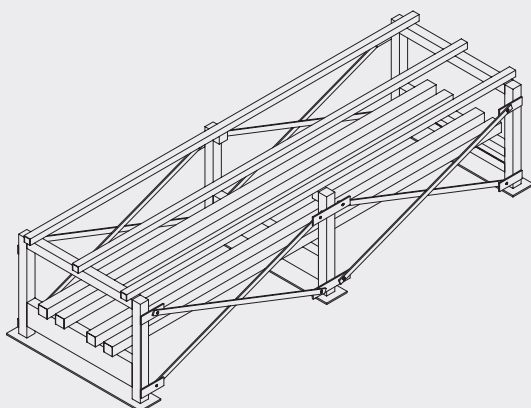
2

Rack 2 floors - 2 steps



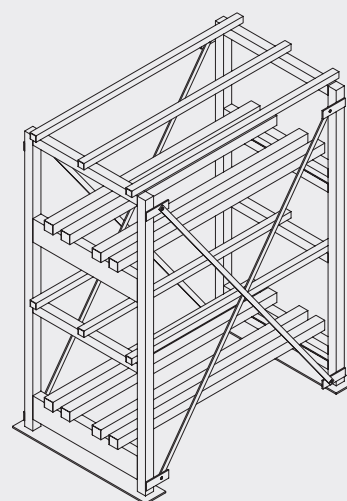
2A

Rack 1 floor - 2 rows (antiseismic)



3

Rack 2 floors - 2 rows (antiseismic)



3A

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