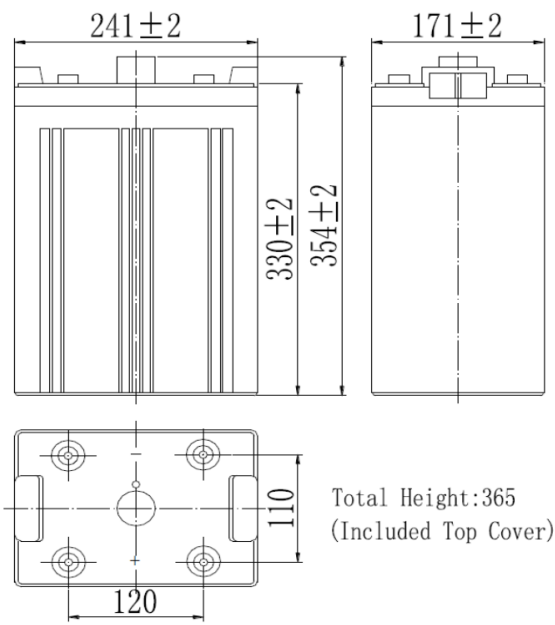


# SUNLIGHT SVT 2V - 500Ah

AGM VRLA Battery

## Features & Benefits

- Non-spillable maintenance free product
- High Quality and High Reliability
- Wide range of operating temperature
- Fast and easy installation
- Low self discharge
- Long service life, float or cyclic applications
- Female M8 brass terminals
- IEC 60896-21 & 22, EN 50272-2 compliant
- Can be mounted in any orientation (not upside down)
- Fully recyclable product



## Specifications

Nominal Voltage	2 V	
Number of cells	1	
Design Floating Life (20°C)	15 years	
Dimensions	Length	241 mm
	Width	171 mm
	Height	330 mm
	Total Height	365 mm
Weight	10 hours rate (1.80)	502 Ah
	5 hours rate (1.75)	445 Ah
	1 hour rate (1.65)	298 Ah
Nominal Capacity		
Internal Resistance (fully charged, 25°C)	0.5 mOhm	
Self Discharge	approx. 3% per month at 25°C	
Nominal Operating Temperature	25°C	
Operating Temperature range	Discharge	-15°C to 50°C
	Charge	-10°C to 50°C
	Storage	-20°C to 50°C
Float Charging Voltage	2.25 to 2.30 V/cell at 25°C	
	Temperature compensation -18mV/°C	
Maximum charging current	100 A	
Maximum discharge current	3500 A (5 sec.)	

## Performance Data

### Discharge Constant Current at 25°C (Amperes)

End Voltage V/cell	30min	1h	2h	3h	4h	5h	6h	8h	10h	20h	24h
1.60 V	455	303	183	130	105	90.8	78.0	61.2	50.9	26.7	23.2
1.65 V	445	298	182	129	104	90.2	77.6	60.8	50.8	26.7	23.1
1.70 V	432	291	180	128	103	89.6	77.0	60.4	50.7	26.6	23.0
1.75 V	421	285	177	128	103	89.0	76.5	60.0	50.4	26.4	22.9
1.80 V	406	276	173	124	99.4	86.3	74.2	58.2	50.2	26.3	22.8

### Discharge Constant Power at 25°C (Watts)

End Voltage V/cell	30min	1h	2h	3h	4h	5h	6h	8h	10h	20h	24h
1.60 V	850	576	353	255	205	179	154	122	101	53.4	46.6
1.65 V	833	567	351	253	204	178	153	121	101	53.3	46.5
1.70 V	807	553	347	252	202	177	152	120	101	53.2	46.3
1.75 V	788	542	342	250	201	175	151	119	100	52.9	46.0
1.80 V	759	525	334	242	195	170	146	116	99.5	52.5	45.7

Note: The above characteristics data can be obtained within three charge/discharge cycles.