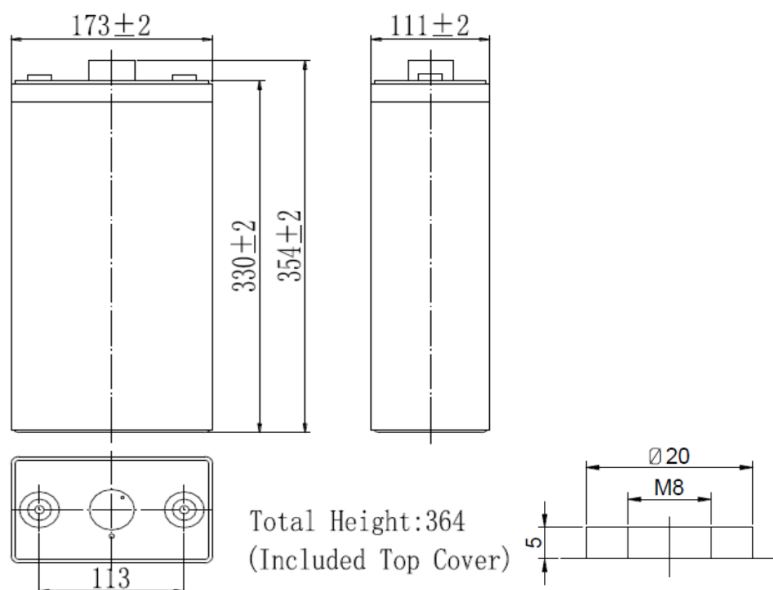


SUNLIGHT SVT 2V - 250Ah

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, IEC 62485-2 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 173 mm Width 111 mm Height 330 mm Total Height 364 mm
Weight	14.5 kg
Nominal Capacity	10 hours rate (1.80) 250 Ah 5 hours rate (1.75) 223 Ah 1 hour rate (1.65) 148 Ah
Internal Resistance (fully charged, 25°C)	0.75 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	50 A
Maximum discharge current	1500 A (5 sec.)

Performance Data

Discharge Constant Current at 25°C (Amperes)

End Voltage V/cell	15min	30min	1h	2h	3h	4h	5h	6h	8h	10h	20h	24h
1.60 V	338	225	150	91.4	65.0	52.3	45.4	39.0	30.6	25.5	13.4	11.58
1.65 V	329	221	148	90.8	64.6	52.0	45.1	38.8	30.4	25.4	13.3	11.56
1.70 V	317	214	144	90.0	64.2	51.6	44.8	38.5	30.2	25.3	13.3	11.52
1.75 V	306	209	141	88.7	63.8	51.3	44.5	38.3	30.0	25.2	13.2	11.45
1.80 V	290	201	137	86.4	61.8	49.7	43.2	37.1	29.1	25.0	13.1	11.38

Discharge Constant Power at 25°C (Watts)

End Voltage V/cell	15min	30min	1h	2h	3h	4h	5h	6h	8h	10h	20h	24h
1.60 V	618	421	285	176	127	102	89.4	76.9	60.9	50.6	26.7	23.3
1.65 V	603	412	281	175	127	102	88.9	76.4	60.5	50.5	26.7	23.2
1.70 V	581	400	274	174	126	101	88.3	75.9	60.1	50.4	26.6	23.2
1.75 V	561	390	268	171	125	100	87.7	75.4	59.7	50.1	26.4	23.0
1.80 V	531	376	260	167	121	97.4	85.0	73.1	57.9	49.8	26.3	22.9

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