



AGM Technology
 ABT Sunwind SWM Series

Complying standards:

IEC60896-21/22:2004
 IEC61427:2014
 BS EN61427:2005

SWM2-600

2V600Ah(10hr)



ABT Sunwind SWM range of VRLA lead acid batteries have been designed specifically for use in applications which demand the highest levels of security and reliability. With proven compliance to the most rigorous international standards.

Sunwind SWM is recognized as premium battery for Solar and wind energy system, Energy equipment system applications. Sunwind's reputation for long service life combined with excellent high cyclic performance also makes it the number one choice for high integrity.

Mechanical Characteristics

	SI Unit	EN Unit
Length	222.5mm	8.76inch
Width	180mm	7.09inch
Height	367mm	14.45inch
Total Height	377mm	14.84inch
Approx. Weight	36.3kg	79.86lbs

Type of material for container and lids:

ABS Standard (FV0 Optional)

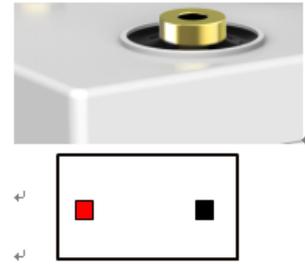
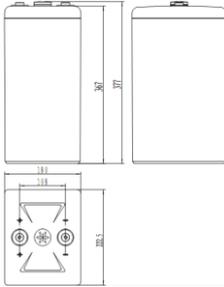
Product Characteristics

- 15 years life expectancy in float service at 68°F (20°C)
- EUROBAT Classification: Very long life;
- High discharge performance;
- 99%+ gas recombination efficiency;
- Maximum charge efficiency;
- Low self-discharge rate;
- Easy installation and handling;

Performance Characteristics

- Rated voltage: 2V (1 cell)
- Rated capacity at 68°F (20°C)
 - 1h rate (349A, 1.75V) 349Ah
 - 10h rate (60.0A, 1.80V) 600Ah
 - 100h rate (7.7A, 1.85V) 770Ah
- Internal resistance:
 - 0.26mΩ when fully charged at 68°F (20°C)
- Average self-discharge rate:
 - ≤1.5% per month 68°F (20°C)
- Maximum discharge current:
 - 2100A(5s) at 68°F (20°C)
- Working temperature range:
 - Discharge: -15~45°C
 - Charge: -10~45°C
 - Storage: -20~60°C
- Charging method:
 - with constant voltage at 68°F (20°C)
 - Maximum charge current: 192A
 - Temperature compensation: -3.5mV/°C/piece
 - Cycle use: 2.37 V/ piece
 - Standby use: 2.27 V/ piece

Dimensions/Terminal



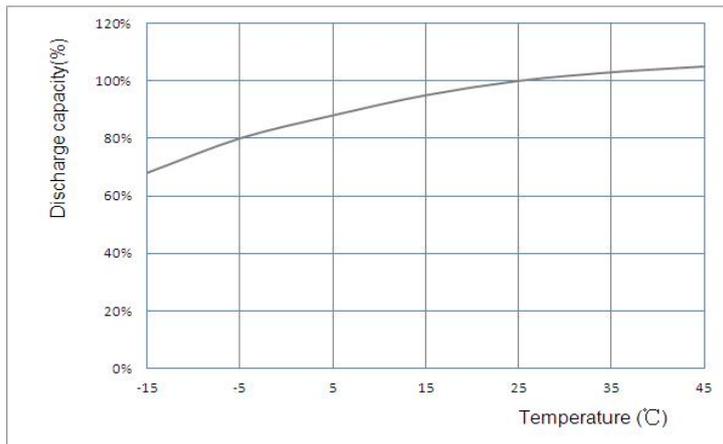
Constant Current Discharge Data (Ampere at 20°C/68 °F)

End Volt	30min	1hr	2hr	3hr	4hr	5hr	6hr	8hr	10hr	24hr	48hr	100hr
1.75	499	349	216	161	135	110	96.9	77.3	64.3	28.6	15.0	8.2
1.80	479	336	210	158	134	109	95.8	76.5	60.0	28.4	14.4	8.0
1.85	449	306	206	155	130	106	94.3	74.8	58.3	28.0	14.0	7.7
1.88	384	258	196	131	115	99.3	93.4	67.2	55.2	25.2	12.9	7.1
1.90	336	240	184	125	111	98.1	92.8	66.1	54.0	24.0	12.5	7.0

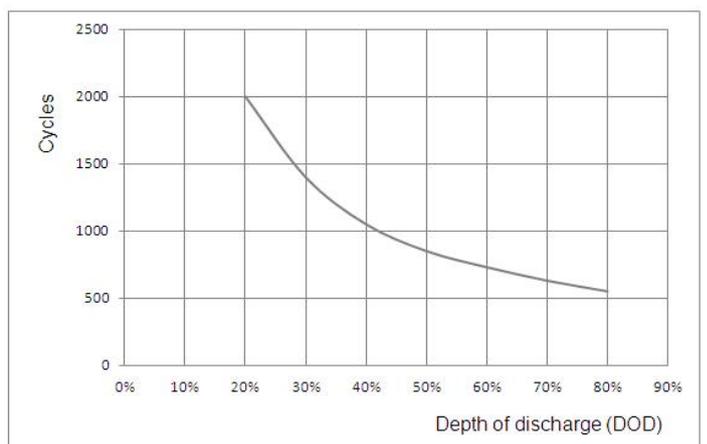
Constant Power Discharge Data (Watts per cell at 20°C/68 °F)

End Volt	30min	1hr	2hr	3hr	4hr	5hr	6hr	8hr	10hr	24hr	48hr	100hr
1.75	907	637	421	312	223	214	190	156	130	55.8	29.4	15.3
1.80	850	616	408	305	213	210	188	155	128	54.1	28.5	14.9
1.85	796	556	357	275	195	197	183	142	119	51.5	26.7	14.4
1.88	709	507	331	265	186	187	180	140	116	50.5	25.7	14.1
1.90	614	434	305	222	175	174	175	134	111	48.6	24.5	13.5

Capacity vs. Temperature



DOD vs. Cycles



Contact information

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ABT VRLA Battery: Available power range from 26Ah to 3000Ah.

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