



AGM Technology
 ABT Sunwind SWM Series

Complying standards:

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

SWM2-800

2V800Ah(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	289.5mm	11.40inch
Width	180mm	7.09inch
Height	367.5mm	14.47inch
Total Height	377.5mm	14.86inch
Approx. Weight	48.4kg	106.48lbs

Type of material for container and lids:

ABS Standard (FV0 Optional)

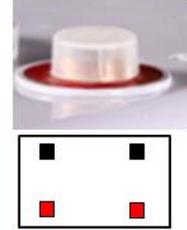
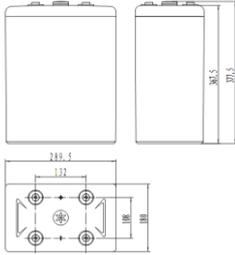
Product Characteristics

- 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 (465A, 1.75V) 465Ah
 - 10h rate (80.0A, 1.80V) 800Ah
 - 100h rate (10.2A, 1.85V) 1020Ah
- Internal resistance:
 - 0.25mΩ when fully charged at 68°F (20°C)
- Average self-discharge rate:
 - ≤1.5% per month 68°F (20°C)
- Maximum discharge current:
 - 2800A(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: 256A
 - Temperature compensation: -3.5mV/°C/piece
 - Cycle use: 2.37 V/ piece
 - Standby use: 2.27 V/ piece

Dimensions/Terminal



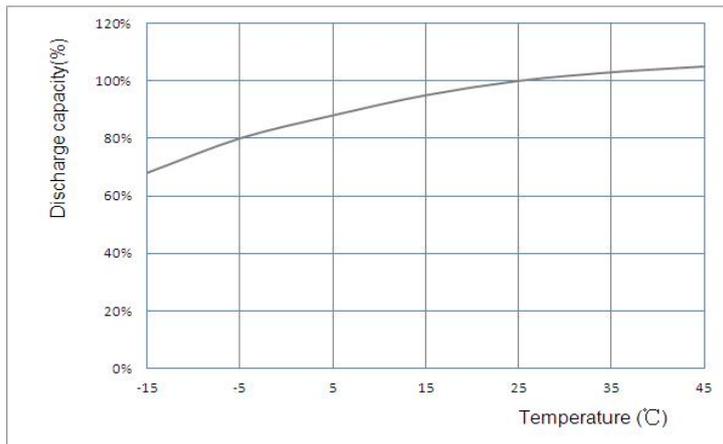
Constant Current Discharge Data (Ampere at 20°C/68 °F)

End Volt	30min	1hr	2hr	3hr	4hr	5hr	6hr	8hr	10hr	24hr	48hr	100hr
1.75	665	465	288	214	180	147	129	103	85.8	38.1	20.0	10.9
1.80	638	448	281	211	178	145	128	102	80.0	37.8	19.2	10.7
1.85	599	408	274	207	173	142	126	100	77.7	37.4	18.6	10.2
1.88	512	344	262	175	153	132	125	89.5	73.6	33.6	17.2	9.5
1.90	448	320	246	167	148	131	124	88.1	72.0	32.0	16.7	9.3

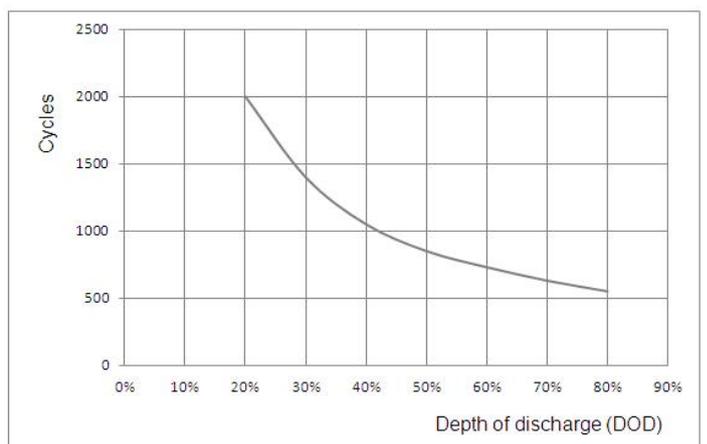
Constant Power Discharge Data (Watts per cell at 20°C/68 °F)

End Volt	30min	1hr	2hr	3hr	4hr	5hr	6hr	8hr	10hr	24hr	48hr	100hr
1.75	1209	850	561	416	298	285	254	208	173	74.4	39.3	20.3
1.80	1133	821	544	407	284	281	251	207	170	72.2	38.0	19.9
1.85	1061	741	476	367	260	263	244	189	159	68.7	35.6	19.2
1.88	946	676	441	353	247	249	240	186	154	67.3	34.2	18.8
1.90	818	579	407	296	233	232	233	178	148	64.8	32.6	18.0

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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