

stored energy solutions for a demanding world



Model: **24OPzV3000**

Ares series

Ares range battery adopts traditional tubular gel technology, adopts patent gel electrolyte. The products are used as standby power for communication, power, military and broadcast and television system. They possess precise ABS heat seal technology between container and lid and patented post seal structure. Provide better deep cycle performance versus AGM. The design float life is 18 years.



**Specifications**

Battery Model	24OPzV3000	
Nominal Voltage	2V	
Rated Capacity	3000Ah (10hour rate) to 1.80V/cell @25°C(77°F)	
Typical Weight	228kg	
Internal Resistance	Approx 0.108mΩ	
Operating Temperature Range	Operation (maximum): -40°C to 55°C(-40°F to 131°F)	
	Operation (recommended): 15°C to 25°C(59°F to 77°F)	
	Storage: -20°C to 40°C(-4°F to 104°F)	
Float Voltage	2.23V/cell@25°C(77°F)	
Charge Current	300A(Recommendation)	750A(Maxmum)
Equalize and Cycle Service	2.35V~2.40V/cell@25°C(77°F)	
Self Discharge	The residual capacity is above 94% after 90 days storage(25°C/77°F)	
Terminal	M8 Female Large Size Copper Post	
Terminal Hardware Torque	15 ± 1.0Nm	
Container Material	ABS (V0 optional)	

**Discharge Data with Constant Current Units : Amperes (25°C, 77°F)**

End voltage	15min	30min	1h	2h	3h	4h	5h	6h	8h	10h	16h	24h	48h	100h
1.60V	3256	2601	1782	1105	798	633	541	477	384	315	203	141	77	43
1.65V	3144	2515	1738	1083	786	625	535	471	381	313	202	141	76	42
1.70V	2959	2412	1687	1057	772	616	528	463	376	312	201	139	76	42
1.75V	2806	2322	1638	1029	756	606	520	454	369	307	198	136	75	41
1.80V	2475	2124	1560	990	738	592	508	442	361	300	192	134	74	40
1.85V	2083	1786	1450	939	714	574	492	427	351	294	189	129	70	38
1.90V	1573	1524	1158	817	639	534	457	394	318	264	170	119	66	35

**Discharge Data with Constant Power Units: Watts per cell (25°C, 77°F)**

End voltage	15min	30min	1h	2h	3h	4h	5h	6h	8h	10h	16h	24h
1.60V	6515	5159	3950	2168	1649	1310	1100	953	791	664	429	291
1.65V	6203	4886	3674	2154	1637	1301	1093	946	785	660	426	289
1.70V	5921	4664	3441	2124	1614	1283	1078	933	774	651	420	285
1.75V	5604	4475	3267	2064	1574	1233	1040	915	762	639	412	281
1.80V	5243	4296	3054	1991	1530	1203	992	869	720	606	391	266
1.85V	4905	4128	2841	1916	1455	1143	965	832	690	581	375	255
1.90V	4584	3767	2529	1737	1406	1083	936	755	626	527	340	231

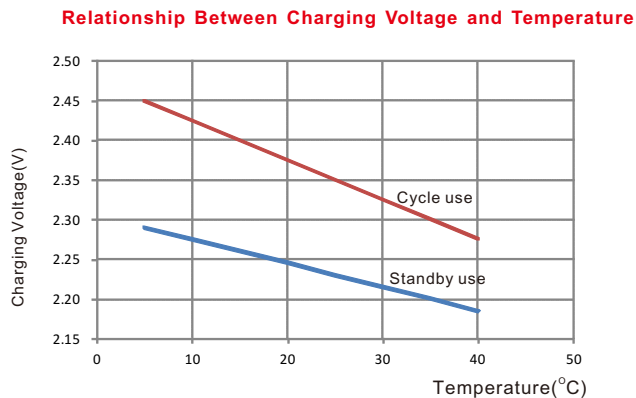
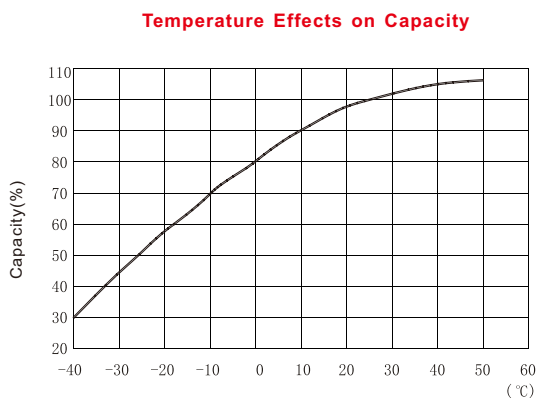
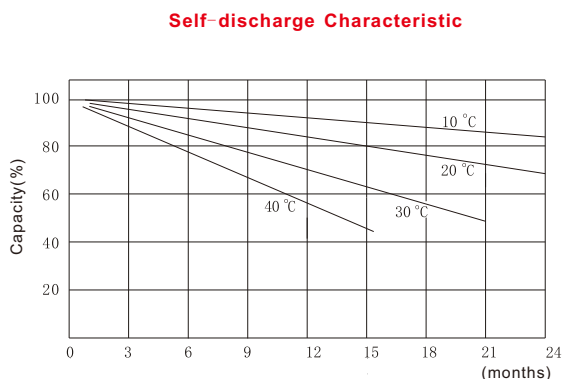
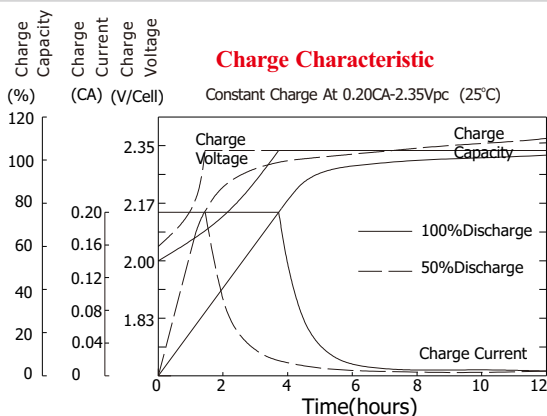
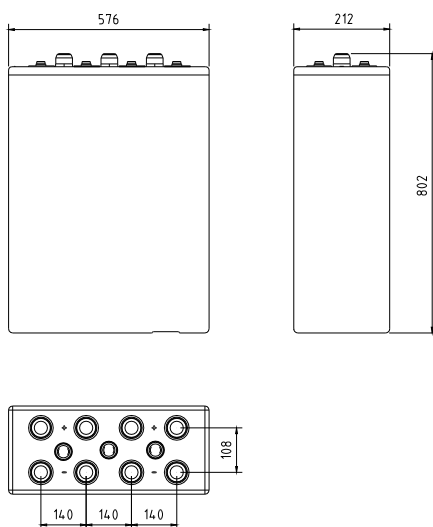
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Dimensions-mm [inch]



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