

stored energy solutions for a demanding world



Model: **12OPzV1500**

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	12OPzV1500
Nominal Voltage	2V
Rated Capacity	1500Ah (10hour rate) to 1.80V/cell @25°C(77°F)
Typical Weight	117kg
Internal Resistance	Approx 0.185mΩ
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)
Recommended Maximum Charging Current Limit	375A
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)

Constant Current Discharge Characteristics Units: Amperes (25°C, 77°F)

End voltage per cell	15min	30min	1h	2h	3h	4h	5h	6h	8h	10h	24h	48h	100h
1.60V	1630	1302	892	553	399	317	271	239	192	158	70.6	38.8	21.7
1.65V	1573	1259	870	542	393	313	268	236	191	157	70.6	38.5	21.4
1.70V	1482	1207	844	529	386	308	265	232	189	156	69.9	38.2	21.1
1.75V	1405	1162	820	515	378	303	260	227	185	154	68.4	37.7	20.5
1.80V	1239	1063	780	496	369	297	254	221	181	149	67.0	37.1	19.9
1.85V	1043	894	726	470	358	288	246	214	176	147	64.8	35.3	19.2
1.90V	788	763	580	409	320	268	229	198	159	132	59.5	33.0	17.7

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

End voltage per cell	15min	30min	1h	2h	3h	4h	5h	6h	8h	10h	12h	24h
1.60V	3260	2582	1977	1085	825	656	551	482	396	332	285	146
1.65V	3104	2445	1838	1078	819	651	547	479	393	330	283	145
1.70V	2963	2334	1722	1063	808	642	539	472	388	326	279	143
1.75V	2805	2240	1620	1033	788	617	520	462	381	320	276	140
1.80V	2624	2150	1529	996	766	602	496	441	363	303	258	138
1.85V	2455	2066	1422	959	728	572	483	424	354	291	248	135
1.90V	2294	1885	1266	870	704	602	500	404	336	264	227	128

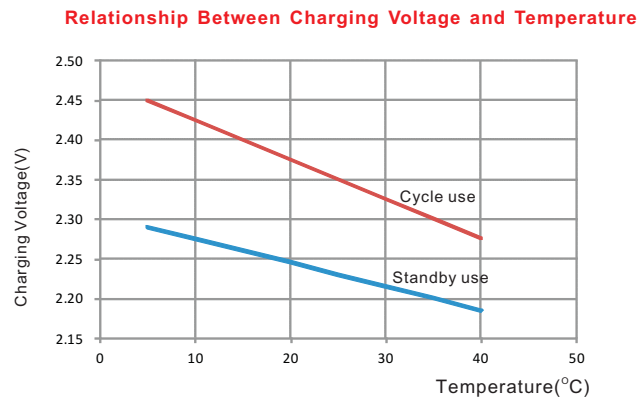
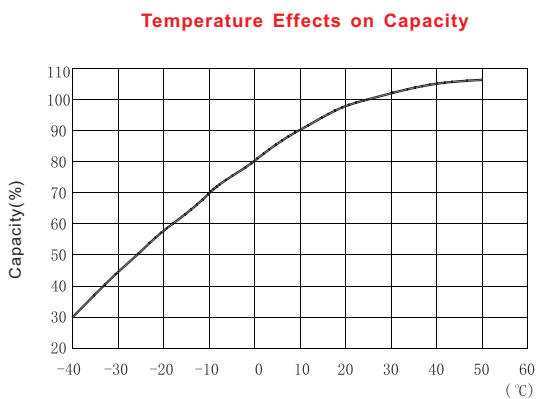
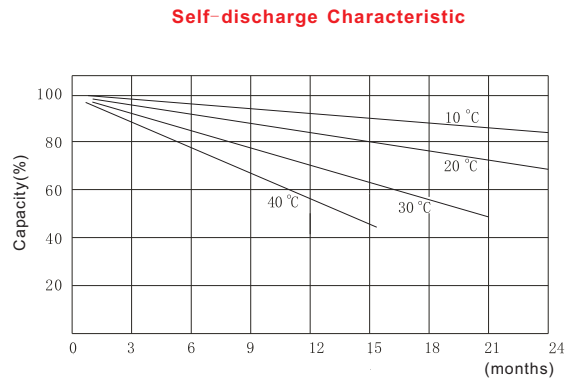
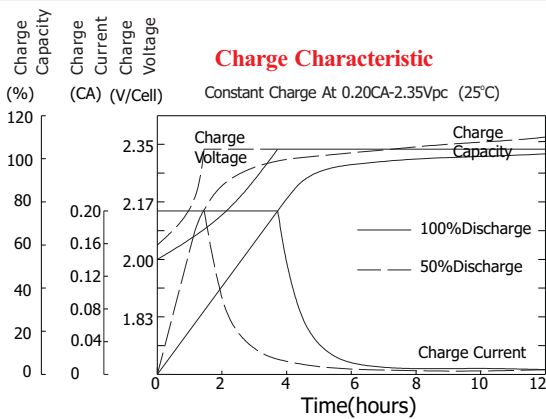
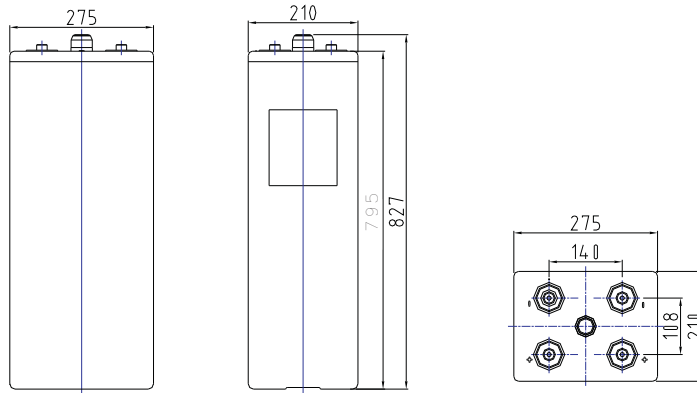
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NARADA

Model: **12OPzV1500**

Ares series

Dimensions-mm[inch]



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