

stored energy solutions for a demanding world



Model: **16OPzV2000**

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	16OPzV2000
Nominal Voltage	2V
Rated Capacity	2000Ah (10hour rate) to 1.80V/cell @25°C(77°F)
Typical Weight	155kg
Internal Resistance	Approx 0.14mΩ
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	500A
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	2171	1734	1188	737	532	422	361	318	256	210	94.1	51.7	29.0
1.65V	2096	1677	1159	722	524	417	357	314	254	209	94.1	51.2	28.5
1.70V	1973	1608	1125	705	515	411	352	309	251	208	93.1	50.8	28.1
1.75V	1871	1548	1092	686	504	404	347	303	246	205	91.1	50.2	27.3
1.80V	1650	1416	1040	660	492	395	339	295	241	200	89.2	49.4	26.5
1.85V	1389	1191	967	626	476	383	328	285	234	196	86.2	47.0	25.6
1.90V	1049	1016	772	545	426	356	305	263	212	176	79.2	43.9	23.6

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	4343	3439	2633	1445	1099	873	734	642	527	443	380	194
1.65V	4135	3257	2449	1436	1091	867	729	637	524	440	377	193
1.70V	3947	3109	2294	1416	1076	855	719	629	516	434	372	190
1.75V	3736	2983	2158	1376	1049	822	693	615	508	426	367	187
1.80V	3495	2864	2036	1327	1020	802	661	587	484	404	344	184
1.85V	3270	2752	1894	1277	970	762	644	564	471	387	331	179
1.90V	3056	2511	1686	1158	937	802	667	538	447	351	302	171

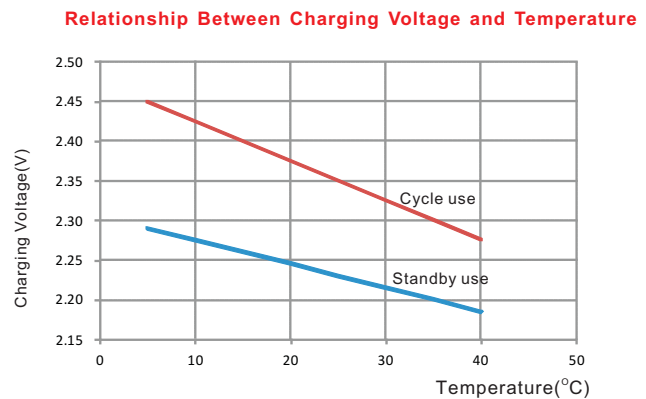
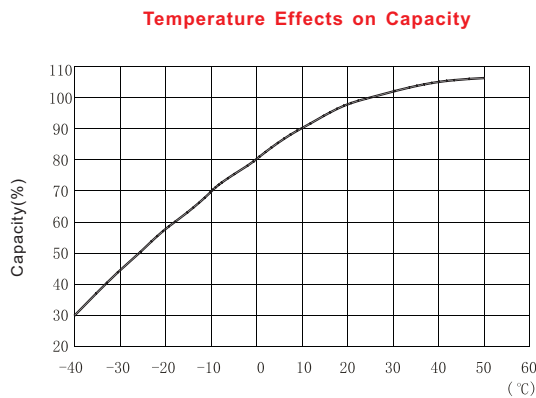
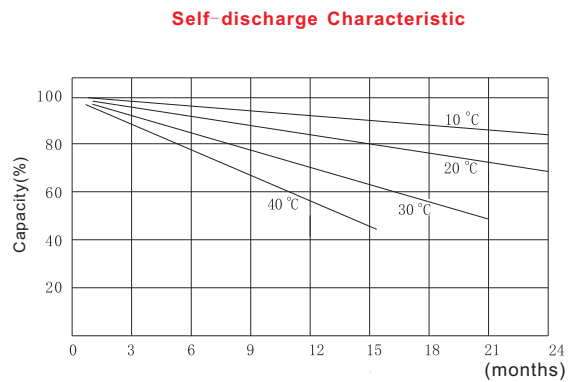
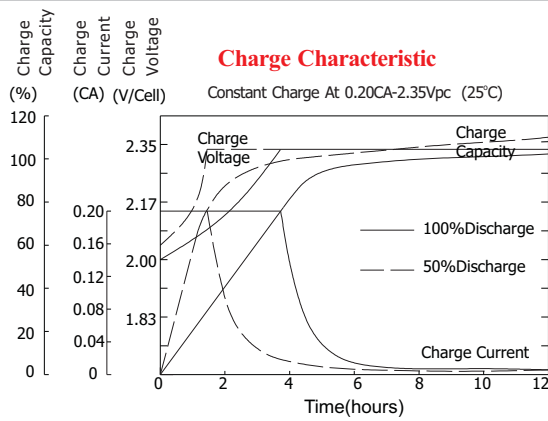
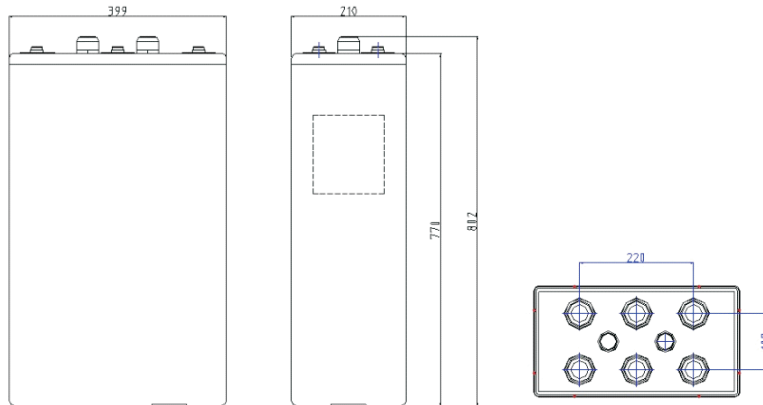
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NARADA

Model: **16OPzV2000**

Ares series

Dimensions-mm[inch]



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16OPzV 2000-02-EN August 2011 E. & O.E.

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