

stored energy solutions for a demanding world



Model: **200PzV2500**

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	200PzV2500
Nominal Voltage	2V
Rated Capacity	2500Ah (10hour rate) to 1.80V/cell @25°C(77°F)
Typical Weight	192kg
Internal Resistance	Approx 0.101mΩ
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	625A
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	2714	2167	1485	921	665	527	452	397	320	262	118	64.6	36.2
1.65V	2619	2096	1449	902	655	521	447	392	318	261	118	64.1	35.7
1.70V	2467	2009	1406	881	644	514	441	386	314	260	116	63.5	35.1
1.75V	2339	1935	1365	858	630	505	433	379	308	256	114	62.8	34.2
1.80V	2063	1770	1299	825	615	494	423	369	301	250	111	61.7	33.1
1.85V	1737	1489	1208	782	595	479	410	356	292	245	108	58.7	32.0
1.90V	1312	1271	965	681	532	446	381	329	265	220	99.0	54.9	29.5

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	5429	4298	3292	1807	1373	1092	917	802	659	554	475	242
1.65V	5169	4071	3061	1794	1364	1084	911	797	654	550	472	241
1.70V	4934	3886	2867	1770	1345	1069	898	786	645	542	465	237
1.75V	4670	3729	2698	1720	1312	1027	866	768	635	532	459	234
1.80V	4368	3581	2545	1658	1275	1002	827	734	605	505	429	230
1.85V	4088	3440	2368	1596	1213	953	804	705	589	484	413	224
1.90V	3820	3139	2108	1448	1172	1002	833	672	559	439	377	213

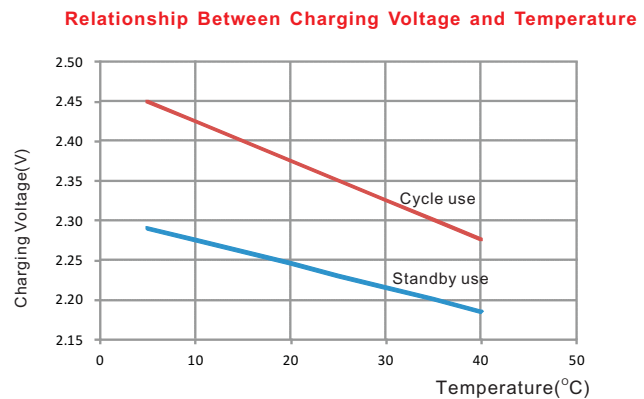
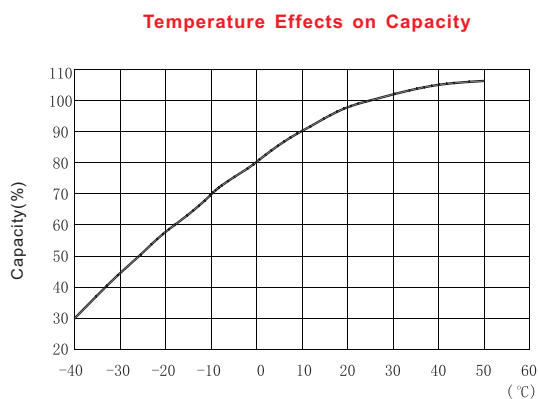
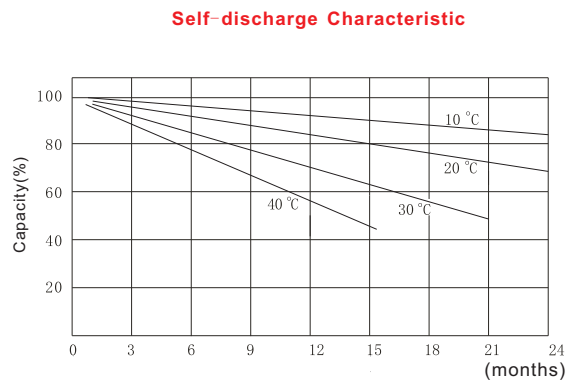
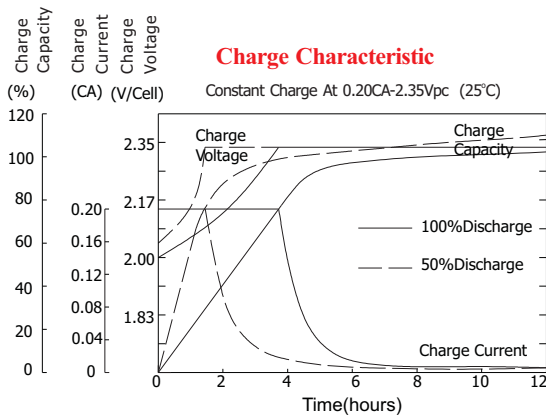
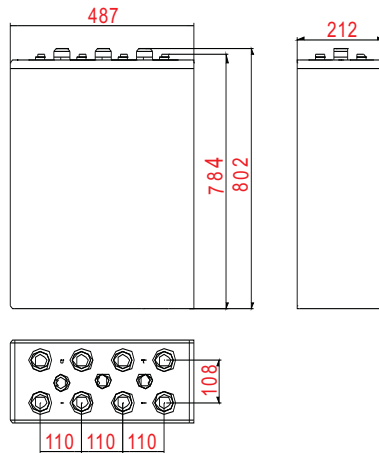
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NARADA

Model: **200PzV2500**

Ares series

Dimensions-mm



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200PzV 2500-02-EN August 2011 E. & O.E.