

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 0.126mΩ
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	250A(Recommendation) 625A(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	2713	2167	1485	921	665	527	451	397	320	262	169	117	64	36
1.65V	2620	2096	1448	902	655	521	446	392	317	261	168	117	64	35
1.70V	2466	2010	1406	881	643	513	440	386	313	260	167	116	63	35
1.75V	2338	1935	1365	857	630	505	433	378	307	256	165	113	62	34
1.80V	2062	1770	1300	825	615	493	423	368	301	250	160	111	61	33
1.85V	1736	1488	1208	782	595	478	410	356	292	245	158	107	58	32
1.90V	1311	1270	965	681	632	445	381	328	265	220	142	99	54	29

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	5429	4299	3291	1806	1374	1091	917	794	659	554	357	242
1.65V	5169	4071	3061	1795	1364	1084	911	788	654	550	355	241
1.70V	4934	3866	2868	1770	1345	1069	898	778	645	542	350	237
1.75V	4670	3729	2698	1720	1311	1028	866	763	635	532	344	234
1.80V	4369	3580	2545	1659	1275	1003	827	724	600	505	326	222
1.85V	4088	3440	2368	1596	1213	953	804	694	575	484	313	212
1.90V	3820	3139	2108	1448	1171	903	783	629	521	439	283	193

Dimensions-mm

