

RID 20 OPzV 2500

MAINTENANCE FREE



2V
2738 AH



ELECTRICAL SPECIFICATIONS

Nominal voltage	2 V
Float charge	2.27 V/C @ 20 °C
Capacity	2738 Ah (10h rate to 1.80Vpc at 20 °C)
Internal resistance	0.16 mOhm (IEC 60 896-21/22)
Short circuit current	13400 A (IEC 60 896 -21/22)
Terminal	4 x F M8

PHYSICAL CHARACTERISTICS

Terminal Torque	20 Nm
Temperature range	-40°C to 55°C
Dimensions (L x B/W x H)	214 x 489 x 816 mm
Temperature range	-40°C to 55°C
Weight	190 kg

DESIGN FEATURES

Design life at 20 °C	Very Long Life 20 years (80% remaining capacity from C10)
Storage	Long shelf life up to 2 years at 20 °C without recharge due to the very low self discharge rate
Container design	Available as standard or flame retardant version (UL 94-V0)
Cells	Cells in compliance with DIN 40 742
Standart	Designed in accordance with IEC 60896-21/-22
Manufactured	Manufactured in Germany in ISO 9001 certified production plants

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CONSTANT POWER DISCHARGE AT 20°C

Uf. Vpc	5 min	15 min	30 min	1 h	2 h	3 h	4 h	5 h	6 h	8 h	10 h	20 h
1.60	3900	3417	3178	2507	1733	1427	1202	1023	868	674	558	324
1.65	3513	3287	3010	2393	1717	1422	1188	1015	862	669	554	322
1.70	3283	3102	2777	2252	1625	1390	1178	1000	852	661	546	319
1.75	3073	2780	2482	2105	1585	1360	1148	970	828	643	533	315
1.80	2667	2452	2207	1927	1512	1280	1083	910	785	616	514	312
1.83	2333	2147	1897	1720	1437	1207	1008	852	735	580	488	302
1.85	2067	1900	1753	1627	1377	1145	947	798	698	552	465	293
1.87	1883	1778	1697	1563	1282	1053	872	737	638	512	436	285
1.90	1748	1680	1608	1440	1135	915	745	638	566	463	403	267

CONSTANT CURRENT DISCHARGE AT 20°C

Uf. Vpc	5 min	15 min	30 min	1 h	2 h	3 h	4 h	5 h	6 h	8 h	10 h	20 h
1.60	2573	2340	2080	1583	1008	758	615	522	454	365	300	160
1.65	2200	2010	1845	1510	972	745	605	516	450	361	297	159
1.70	1947	1850	1707	1425	942	725	594	507	442	356	293	158
1.75	1695	1642	1547	1265	890	708	581	496	433	348	287	154
1.80	1598	1497	1345	1078	822	663	550	473	413	332	274	149
1.83	1403	1347	1180	917	737	622	518	447	392	317	262	144
1.85	1288	1215	1080	850	693	578	483	419	368	302	249	139
1.87	1040	1022	992	790	650	547	457	391	341	278	231	133
1.90	863	837	798	727	587	477	407	355	313	259	216	122