

## RID 12 OPzV 1500

**MAINTENANCE FREE**



**2V**  
**1643 AH**



### ELECTRICAL SPECIFICATIONS

Nominal voltage	2 V
Float charge	2.27 V/C @ 20 °C
Capacity	1643 Ah (10h rate to 1.80Vpc at 20 °C)
Internal resistance	0.23 mOhm (IEC 60 896-21/22)
Short circuit current	9000 A (IEC 60 896 -21/22)
Terminal	2 x F M8

### PHYSICAL CHARACTERISTICS

Terminal Torque	20 Nm
Temperature range	-40°C to 55°C
Dimensions (L x B/W x H)	212 x 277 x 759 mm
Temperature range	-40°C to 55°C
Weight	106 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	2563	2263	2088	1616	1174	915	736	620	538	432	363	203
1.65	2369	2227	1992	1555	1150	903	726	612	532	428	361	202
1.70	2095	2052	1845	1451	1101	873	704	595	522	421	356	200
1.75	1818	1818	1737	1341	1046	827	671	582	506	412	349	197
1.80	1541	1541	1442	1190	961	746	619	538	476	395	335	191
1.83	1376	1361	1317	1163	868	680	572	511	452	383	324	185
1.85	1266	1266	1239	1102	797	635	539	484	433	367	312	176
1.87	1163	1163	1163	997	769	632	523	442	415	347	296	174
1.90	1021	1021	1021	765	598	513	461	415	383	319	271	160

### 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	1704	1480	1295	992	662	497	396	332	286	221	180	95.8
1.65	1501	1446	1249	960	645	491	393	328	284	218	178	95.1
1.70	1268	1260	1135	903	623	479	382	322	279	215	176	94.6
1.75	1049	1049	982	777	585	452	365	309	269	209	172	92.6
1.80	859	859	808	694	526	410	338	287	251	199	164	89.3
1.83	756	756	717	645	480	374	311	268	235	190	157	86.5
1.85	702	702	683	597	431	339	285	252	221	181	150	83.4
1.87	624	624	615	548	380	319	270	227	205	167	139	79.6
1.90	518	518	507	420	312	261	229	205	188	155	129	73.3