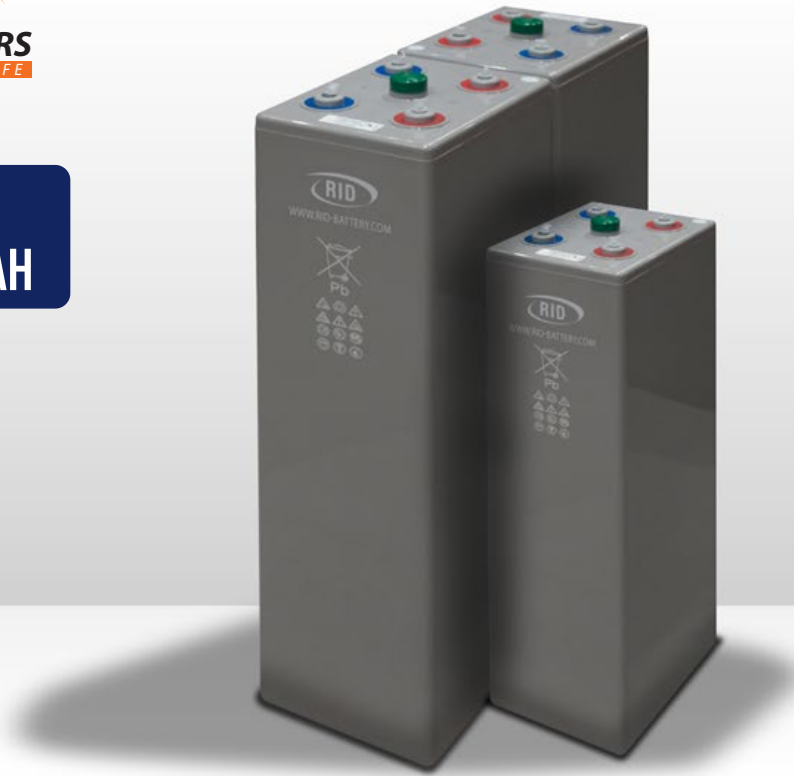


RID 6 OPzV 420

MAINTENANCE FREE



**2V
499 AH**



ELECTRICAL SPECIFICATIONS

Nominal voltage	2 V
Float charge	2.27 V/C @ 20 °C
Capacity	499 Ah (10 h rate to 1.80 Vpc at 20 °C)
Internal resistance	0.53 mOhm (IEC 60 896-21/22)
Short circuit current	3950 A (IEC 60 896 -21/22)
Terminal	F M8

PHYSICAL CHARACTERISTICS

Terminal Torque	20 Nm
Temperature range	-40°C to 55°C
Dimensions (L x B/W x H)	147 x 208 x 515 mm
Temperature range	-40°C to 55°C
Weight	35.0 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	1160	948	749	523	332	252	208	173	148	116	97.1	58.8
1.65	1098	898	718	516	331	252	208	172	147	116	96.7	58.6
1.70	973	835	688	505	330	251	207	172	147	115	96.4	58.3
1.75	892	749	631	478	318	247	205	171	146	115	95.9	58.1
1.80	803	686	576	442	302	241	199	168	143	112	94.1	57.1
1.83	724	624	517	409	290	235	191	161	138	109	91.7	55.8
1.85	683	587	481	388	281	226	184	154	132	105	88.7	54.7
1.87	611	534	450	362	268	216	175	145	126	100	84.7	53.4
1.90	568	492	412	328	246	190	156	133	117	95.5	80.9	51.8

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	600	574	458	286	175	136	114	96.2	82.7	63.8	52.6	30.1
1.65	586	550	425	276	173	134	113	95.2	81.8	63.4	52.1	29.9
1.70	562	510	401	264	170	133	112	93.8	80.6	62.9	51.6	29.6
1.75	508	467	360	258	167	131	110	91.9	79.1	62.2	51.1	29.2
1.80	476	437	336	241	162	128	106	90.1	77.6	61.0	49.9	28.6
1.83	420	404	318	224	156	125	103	87.5	75.8	59.8	49.1	28.1
1.85	398	370	299	211	149	121	101	85.6	74.2	58.9	48.5	27.6
1.87	370	341	268	196	143	116	97.7	83.3	72.2	57.4	47.5	26.8
1.90	293	277	224	172	134	108	92.0	78.4	68.0	53.8	44.0	24.9