

RID 5 OPzV 250

MAINTENANCE FREE



**2V
280AH**



ELECTRICAL SPECIFICATIONS

Nominal voltage	2 V
Float charge	2.27 V/C @ 20 °C
Capacity	280 Ah (10 h rate to 1.80 Vpc at 20 °C)
Internal resistance	0.79 mOhm (IEC 60 896-21/22)
Short circuit current	2700 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)	126 x 208 x 399 mm
Temperature range	-40°C to 55°C
Weight	22.0 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

RID 5 OPzV 250

MAINTENANCE FREE



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	775	633	476	300	190	155	131	113	98.1	75.6	62.1	35.5
1.65	724	580	465	294	188	154	131	113	96.6	74.8	61.5	35.1
1.70	630	538	433	281	183	153	130	111	95.4	73.8	60.6	34.8
1.75	553	488	390	264	180	151	128	109	93.1	72.4	59.8	34.1
1.80	459	419	354	249	175	146	125	105	90.1	70.1	57.9	33.3
1.83	428	381	331	236	171	143	121	103	88.5	68.4	56.6	32.6
1.85	408	363	308	226	168	139	118	100	85.5	66.5	55.0	32.0
1.87	375	338	286	215	163	134	113	96.1	82.4	64.4	53.4	31.4
1.90	323	295	246	198	153	126	104	87.0	74.9	59.4	49.8	30.1

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	408	375	278	154	104	76.5	61.0	50.8	43.5	34.5	28.6	15.8
1.65	393	348	265	153	103	76.3	60.8	50.5	43.3	34.4	28.5	15.7
1.70	363	323	251	150	102	76.0	60.5	50.3	43.1	34.1	28.4	15.6
1.75	331	286	228	144	99.9	75.4	59.9	49.8	42.8	33.8	28.3	15.4
1.80	290	245	203	133	94.5	72.5	58.5	49.0	42.3	33.3	28.0	15.1
1.83	261	228	185	122	89.3	68.6	56.3	47.5	41.3	32.8	27.5	14.7
1.85	243	214	171	113	85.1	65.0	53.6	45.4	39.5	31.5	26.6	14.1
1.87	216	195	155	105	80.9	61.9	51.3	43.4	37.6	30.3	25.6	13.5
1.90	180	158	134	95.3	74.5	57.1	46.6	39.0	33.5	26.8	22.9	12.5