



RID BATTERY • GERMANY



BATTERY SYSTEMS WITH INDIVIDUAL SOLUTION

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213 - 3488 Ah RID SERIES OPzS, OFF-GRID / ON-GRID SOLUTIONS



RID OPzS SERIES - 20 YEARS

Modell	Un, V	Capacity, 20-hr rate to 1,75 V/c at +20 °C (Ah)	Dimensions, mm			Weight, kg
			mm	mm	mm	
RID 4 OPzS 200	2	213	105	208	420	17,3
RID 5 OPzS 250	2	266	126	208	420	21,0
RID 6 OPzS 300	2	320	147	208	420	24,9
RID 5 OPzS 350	2	390	126	208	535	29,3
RID 6 OPzS 420	2	495	147	208	535	34,4
RID 7 OPzS 490	2	546	168	208	535	39,5
RID 6 OPzS 600	2	686	147	208	710	46,1
RID 7 OPzS 700	2	801	215	193	710	59,1
RID 8 OPzS 800	2	915	215	193	710	63,1
RID 9 OPzS 900	2	1026	215	235	710	72,4
RID 10 OPzS 1000	2	1140	215	235	710	76,4
RID 11 OPzS 1100	2	1256	215	277	710	86,6
RID 12 OPzS 1200	2	1370	215	277	710	90,6
RID 12 OPzS 1500	2	1610	215	277	855	110,4
RID 14 OPzS 1750	2	1881	215	400	815	142,3
RID 15 OPzS 1875	2	2016	215	400	815	146,6
RID 16 OPzS 2000	2	2150	215	400	815	150,9
RID 18 OPzS 2250	2	2412	215	490	815	179,1
RID 19 OPzS 2375	2	2546	215	490	815	182,9
RID 20 OPzS 2500	2	2680	215	490	815	187,3
RID 22 OPzS 2750	2	2952	215	580	815	212,5
RID 23 OPzS 2875	2	3086	215	580	815	216,8
RID 24 OPzS 3000	2	3220	215	580	815	221,2
RID 26 OPzS 3250	2	3488	215	580	815	229,6

224 - 3286 Ah RID SERIES OPzV, TELECOMMUNICATIONS

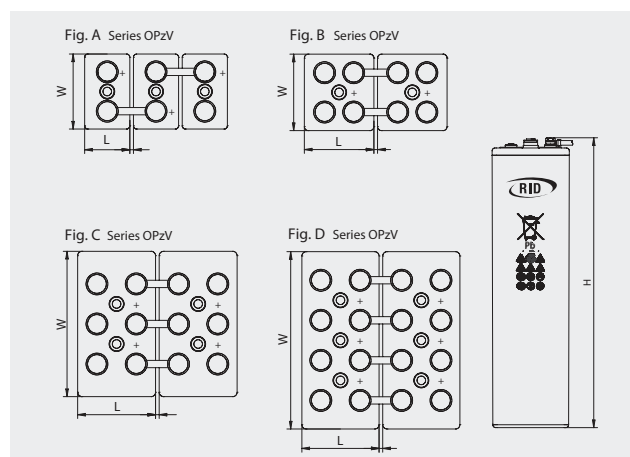


RID SERIES OPzV - VRLA 20 YEARS

Modell	U _n	C ₁₀ /1,8 V _{pc} @20°C	Length (L)	Width (W)	Height (H)	Weight	Fig.
RID 4 OPzV 200	12 V	224 Ah	103 mm	206 mm	354/380 mm	19,5 kg	A
RID 5 OPzV 250	12 V	280 Ah	124 mm	206 mm	354/380 mm	23,0 kg	A
RID 6 OPzV 300	12 V	337 Ah	145 mm	206 mm	354/380 mm	28,2 kg	A
RID 5 OPzV 350	12 V	416 Ah	124 mm	206 mm	471/496 mm	31,0 kg	A
RID 6 OPzV 420	12 V	499 Ah	145 mm	206 mm	471/496 mm	36,5 kg	A
RID 7 OPzV 490	12 V	582 Ah	166 mm	206 mm	471/496 mm	41,5 kg	A
RID 6 OPzV 600	12 V	748 Ah	145 mm	206 mm	643/668 mm	49,0 kg	A
RID 8 OPzV 800	12 V	998 Ah	210 mm	191 mm	643/668 mm	65,0 kg	B
RID 10 OPzV 1000	12 V	1248 Ah	210 mm	233 mm	643/668 mm	80,0 kg	B
RID 12 OPzV 1200	12 V	1497 Ah	210 mm	275 mm	643/668 mm	93,0 kg	B
RID 15 OPzV 1500	12 V	1643 Ah	210 mm	275 mm	796/821 mm	115,0 kg	B
RID 16 OPzV 2000	12 V	2190 Ah	214 mm	399 mm	771/796 mm	154,0 kg	C
RID 20 OPzV 2500	12 V	2738 Ah	214 mm	482 mm	769/794 mm	202,0 kg	D
RID 24 OPzV 3000	12 V	3286 Ah	214 mm	576 mm	771/796 mm	238,0 kg	D

The valve-regulated lead-acid batteries of the **RID OPzV Series** are specially designed for high energy throughputs. This is achieved by the proven design of tubular plates and an electrolyte fixed in gel. The excellent cycling properties during operation with partial discharge (Partial State of Charge - PSoC) are characteristic features of this series and, in combination with the extensive capacity range, make it the first choice in e.g. village power supplies.

The proven format according to DIN and the possibility of horizontal operation make the product versatile and furthermore offer the necessary flexibility for installation in limited spaces. The high quality standard of the product is also visible to the user at all times due to the elaborate use of plastic-moulded and corrosion-free battery terminals.



25 - 150 Ah RID XTREME RESERVED POWER FOR UPS



RID XTREME HPPL-TECHNOLOGY PURE LEAD, 15 YEARS

Modell	U _n	C ₁₀ /1,8 V _{pc} @20°C	C ₈ /1,75 V _{pc} @25°C	Length (L)	Width (W)	Height (H)	Weight
RID Xtreme VR 12-80	12 V	83 Ah	85 Ah	254 mm	174 mm	233 mm	25,8 kg
RID Xtreme VR 12-110	12 V	110 Ah	113 Ah	320 mm	174 mm	233 mm	32,4 kg
RID Xtreme VR 12-130	12 V	142 Ah	147 Ah	320 mm	174 mm	283 mm	42,7 kg
RID Xtreme VR 12-150	12 V	159 Ah	166 Ah	359 mm	174 mm	283 mm	46,3 kg
RID Xtreme VR 12-170	12 V	180 Ah	187 Ah	498 mm	174 mm	233 mm	51,4 kg

RID XTREME FRONT TERMINAL HPPL-TECHNOLOGY PURE LEAD, 15 YEARS

Modell	U _n	C ₁₀ /1,8 V _{pc} @20°C	C ₈ /1,75 V _{pc} @25°C	Length (L)	Width (W)	Height (H)	Weight
RID Xtreme VR 12-100 FT 19"	12 V	96 Ah	100 Ah	254 mm	174 mm	233 mm	25,8 kg
RID Xtreme VR 12-100 FT 23"	12 V	105 Ah	109 Ah	320 mm	174 mm	233 mm	32,4 kg
RID Xtreme VR 12-150 FT	12 V	165 Ah	172 Ah	320 mm	174 mm	283 mm	42,7 kg
RID Xtreme VR 12-180 FT	12 V	185 Ah	194 Ah	359 mm	174 mm	283 mm	46,3 kg
RID Xtreme VR 12-200 FT	12 V	201 Ah	209 Ah	498 mm	174 mm	233 mm	51,4 kg

THE RID XTREME IS THE NEXT GENERATION OF REAL PURE LEAD (99.99% PURITY DEGREE) AGM BATTERIES

- |

High Performance **Pure Lead** grid electrodes for maximum corrosion resistance also under elevated operating temperature
- |

Active mass is designed for maximum discharge performance with good cyclability at the same time
- |

15 years design life and optimised aging behaviour at high temperatures
- |

Vertical as well as horizontal installation on racks, in battery cabinets or in the Stack due to the robust folding handles integrated in the lid for easy assembly
- |

Operating temperature range extremely wide from -40°C to +55°C
- |

Storage time extended up to 2 years for maximum project deployment flexibility
- |

Usage in applications where longest life and highest reliability are required. Therefore, classified as "**Very Long Life**" (>12 years) according to Eurobat Guide 2015
- |

Exclusively manufactured for RID-Batterie certified production facilities in accordance with ISO 9001, ISO 14001, ISO 50001 and ISO 45001
- |

Designed to be compliant with international standard IEC 60896-21/22

40 - 220 Ah RID ST SERIES, COMMERCIAL VEHICLES BATTERY



RID ST2 SERIES - COMMERCIAL VEHICLES BATTERY

Modell	U _n	Capacity	Length (L)	Width (W)	Height (H)	CCE (EN) / Layout	Hold-down/ Terminal Type	Weight / Pieces per pallet
RID ST2 12-40	12 V	40 Ah	207 mm	175 mm	175 mm	360 / 0	B3-B4 / T1	11,4 kg / 54
RID ST2 12-45	12 V	45 Ah	207 mm	175 mm	190 mm	380 / 0	B3 / T1	12,7 kg / 54
RID ST2 12-56	12 V	56 Ah	243 mm	175 mm	190 mm	510 / 0	B3-B4 / T1	15,0 kg / 54
RID ST2 12-65	12 V	65 Ah	278 mm	175 mm	175 mm	540 / 0	B3-B4 / T1	15,8 kg / 45
RID ST2 12-70	12 V	70 Ah	278 mm	175 mm	190 mm	640 / 0	B3 / T1	18,4 kg / 45
RID ST2 12-90	12 V	90 Ah	353 mm	175 mm	190 mm	800 / 0	B13 / T1	22,9 kg / 36
RID ST2 12-120	12 V	120 Ah	513 mm	189 mm	223 mm	680 / 3	N / T1	33,6 kg / 24
RID ST2 12-143	12 V	143 Ah	513 mm	189 mm	223 mm	900 / 3	N / T1	37,6 kg / 24
RID ST2 12-143	12 V	143 Ah	513 mm	189 mm	223 mm	900 / 4	N / T1	37,6 kg / 24
RID ST2 12-155	12 V	155 Ah	513 mm	223 mm	223 mm	900 / 3	N / T1	42,0 kg / 21
RID ST2 12-180	12 V	180 Ah	513 mm	223 mm	223 mm	1100 / 4	B3 / T1	44,9 kg / 21
RID ST2 12-180	12 V	180 Ah	513 mm	223 mm	223 mm	1100 / 3	B3 / T1	44,9 kg / 21
RID ST2 12-200	12 V	200 Ah	513 mm	274 mm	242 mm	1100 / 3	N / T1	55,0 kg / 18
RID ST2 12-220	12 V	220 Ah	513 mm	274 mm	242 mm	1150 / 3	N / T1	57,0 kg / 18

RID MARINE SERIES - MARINE STARTING BATTERIES

Modell	U _n	Capacity	Length (L)	Width (W)	Height (H)	CCE (EN) / Layout	Hold-down/ Terminal Type	Weight / Pieces per pallet
RID MT 12-80	12 V	80 Ah	260 mm	174 mm	225 mm	600-720 / 1	B5 / TM	18,9 kg / 54
RID MT 12-90	12 V	90 Ah	304 mm	173 mm	225 mm	720-860 / 1	B1 / TM	21,2 kg / 45
RID MT 12-100	12 V	100 Ah	330 mm	173 mm	240 mm	750-960 / 1	N / TM	23,5 kg / 36

45 - 220 Ah RID ST SERIES, COMMERCIAL VEHICLES BATTERY

RID ST3 SERIES - COMMERCIAL VEHICLES BATTERY

Modell	U _n	Capacity	Length (L)	Width (W)	Height (H)	CCE (EN) / Layout	Hold-down/ Terminal Type	Weight / Pieces per pallet
RID ST3 12-45	12 V	45 Ah	238 mm	129 mm	225 mm	360 / 0	N / T1-T3	12,4 kg / 69
RID ST3 12-52	12 V	52 Ah	207 mm	175 mm	190 mm	380 / 0	B3 / T1	13,3 kg / 69
RID ST3 12-60	12 V	60 Ah	243 mm	175 mm	175 mm	510 / 0	B3-B4 / T1	14,4 kg / 54
RID ST3 12-71	12 V	71 Ah	278 mm	175 mm	175 mm	540 / 0	B3-B4 / T1	17,1 kg / 45
RID ST3 12-76	12 V	76 Ah	278 mm	175 mm	190 mm	680 / 3	B3 / T1	19,0 kg / 45
RID ST3 12-80	12 V	80 Ah	315 mm	175 mm	175 mm	900 / 3	B3 / T1	18,7 kg / 45
RID ST3 12-90	12 V	90 Ah	353 mm	175 mm	175 mm	900 / 4	B3 / T1	21,8 kg / 36
RID ST3 12-95	12 V	95 Ah	353 mm	175 mm	190 mm	900 / 3	B3 / T1	24,0 kg / 36
RID ST3 12-112	12 V	112 Ah	346 mm	173 mm	234 mm	1100 / 4	B1 / T1	25,5 kg / 36
RID ST3 12-143	12 V	143 Ah	513 mm	189 mm	223 mm	1100 / 3	B3 / T1	36,6 kg / 24
RID ST3 12-180	12 V	180 Ah	511 mm	222 mm	215 mm	1100 / 3	N / T1	45,3 kg / 21
RID ST3 12-220	12 V	220 Ah	516 mm	274 mm	236 mm	1150 / 3	N / T1	55,8 kg / 18

RID ST5 SERIES - COMMERCIAL VEHICLES BATTERY

Modell	U _n	Capacity	Length (L)	Width (W)	Height (H)	CCE (EN) / Layout	Hold-down/ Terminal Type	Weight / Pieces per pallet
RID ST3 12-45	12 V	40 Ah	187 mm	137 mm	225 mm	360 / 0	B1 / T1-T3	9,4 kg / 45
RID ST3 12-52	12 V	100 Ah	304 mm	174 mm	222 mm	830 / 0	B1 / T1	21,6 kg / 45
RID ST3 12-112	12 V	145 Ah	513 mm	189 mm	223 mm	900 / 3	N / T1	37,0 kg / 24
RID ST3 12-143	12 V	185 Ah	511 mm	222 mm	215 mm	1200 / 3	N / T1	46,4 kg / 21
RID ST3 12-180	12 V	230 Ah	516 mm	274 mm	236 mm	1350 / 3	N / T1	56,7 kg / 18

CELL ASSEMBLY LAYOUT - 12 VOLT

0, 1, 3, 4, 6, 9

TYPE OF TERMINAL

Dimensions in millimetres

T1
Standard DIN Post

Positive Terminal Negative Terminal

T3
Small Japanese JIS Terminal

Positive Terminal Negative Terminal

TM
Marine Dual Terminals

Positive Terminal Negative Terminal

BATTERY HOLD-DOWN & CONTAINER FEATURES

Dimensions in millimetres

N

B1

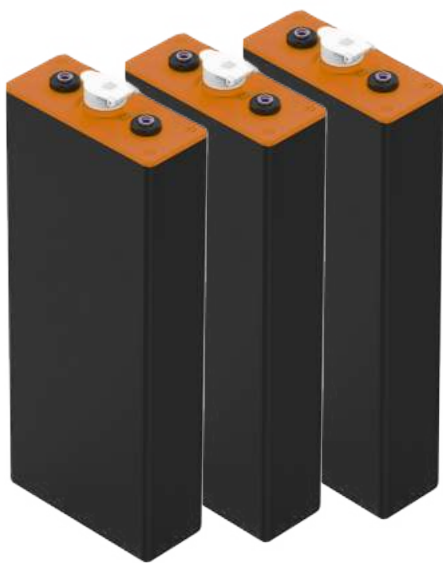
B3

B5

B3/B4 (B3 with Hold-Down adaptor 23288996)

B9

RID MOTIVE POWER BATTERIES FOR FORKLIFTS



Extended service life

Thanks to the low internal resistance, heat generation is reduced, which noticeably extends the battery's service life

Higher availability

More usable capacity and longer driving times, due to the property of maintaining high voltages while delivering high currents

Reduction of operating costs

More energy and time efficient due to reduced power consumption and fast charging capability

Compatibility

Can be charged on any standard PzS charger – no new investment necessary

RID PzS - 50 AH / PLATE

Modell	U _n	Capacity	Length (L)	Width (W)	Height (H)	Weight
2 PzS - 100 L	2 V	100 Ah	198 mm	47 mm	282/305 mm	6,8 kg
3 PzS - 150 L	2 V	150 Ah	198 mm	65 mm	282/305 mm	9,6 kg
4 PzS - 200 L	2 V	200 Ah	198 mm	83 mm	282/305 mm	12,4 kg
5 PzS - 250 L	2 V	250 Ah	198 mm	101 mm	282/305 mm	15,3 kg
6 PzS - 300 L	2 V	300 Ah	198 mm	119 mm	282/305 mm	18,2 kg
7 PzS - 350 L	2 V	350 Ah	198 mm	137 mm	282/305 mm	21,1 kg
8 PzS - 400 L	2 V	400 Ah	198 mm	155 mm	282/305 mm	24,0 kg
9 PzS - 450 L	2 V	450 Ah	198 mm	173 mm	282/305 mm	26,9 kg
10 PzS - 500 L	2 V	500 Ah	198 mm	191 mm	282/305 mm	29,8 kg

RID PzS - 60 AH / PLATE

Modell	U _n	Capacity	Length (L)	Width (W)	Height (H)	Weight
2 PzS - 100 L	2 V	100 Ah	198 mm	47 mm	282/305 mm	6,8 kg
3 PzS - 150 L	2 V	150 Ah	198 mm	65 mm	282/305 mm	9,6 kg
4 PzS - 200 L	2 V	200 Ah	198 mm	83 mm	282/305 mm	12,4 kg
5 PzS - 250 L	2 V	250 Ah	198 mm	101 mm	282/305 mm	15,3 kg
6 PzS - 300 L	2 V	300 Ah	198 mm	119 mm	282/305 mm	18,2 kg
7 PzS - 350 L	2 V	350 Ah	198 mm	137 mm	282/305 mm	21,1 kg
8 PzS - 400 L	2 V	400 Ah	198 mm	155 mm	282/305 mm	24,0 kg
9 PzS - 450 L	2 V	450 Ah	198 mm	173 mm	282/305 mm	26,9 kg
10 PzS - 500 L	2 V	500 Ah	198 mm	191 mm	282/305 mm	29,8 kg

RID MOTIVE POWER BATTERIES FOR FORKLIFTS

RID PzS - 80 AH / PLATE

Modell	U _n	Capacity	Length (L)	Width (W)	Height (H)	Weight
2 PzS - 100 L	2 V	100 Ah	198 mm	47 mm	282/305 mm	6,8 kg
3 PzS - 150 L	2 V	150 Ah	198 mm	65 mm	282/305 mm	9,6 kg
4 PzS - 200 L	2 V	200 Ah	198 mm	83 mm	282/305 mm	12,4 kg
5 PzS - 250 L	2 V	250 Ah	198 mm	101 mm	282/305 mm	15,3 kg
6 PzS - 300 L	2 V	300 Ah	198 mm	119 mm	282/305 mm	18,2 kg
7 PzS - 350 L	2 V	350 Ah	198 mm	137 mm	282/305 mm	21,1 kg
8 PzS - 400 L	2 V	400 Ah	198 mm	155 mm	282/305 mm	24,0 kg
9 PzS - 450 L	2 V	450 Ah	198 mm	173 mm	282/305 mm	26,9 kg
10 PzS - 500 L	2 V	500 Ah	198 mm	191 mm	282/305 mm	29,8 kg

RID PzS - 90 AH / PLATE

Modell	U _n	Capacity	Length (L)	Width (W)	Height (H)	Weight
2 PzS - 100 L	2 V	100 Ah	198 mm	47 mm	282/305 mm	6,8 kg
3 PzS - 150 L	2 V	150 Ah	198 mm	65 mm	282/305 mm	9,6 kg
4 PzS - 200 L	2 V	200 Ah	198 mm	83 mm	282/305 mm	12,4 kg
5 PzS - 250 L	2 V	250 Ah	198 mm	101 mm	282/305 mm	15,3 kg
6 PzS - 300 L	2 V	300 Ah	198 mm	119 mm	282/305 mm	18,2 kg
7 PzS - 350 L	2 V	350 Ah	198 mm	137 mm	282/305 mm	21,1 kg
8 PzS - 400 L	2 V	400 Ah	198 mm	155 mm	282/305 mm	24,0 kg
9 PzS - 450 L	2 V	450 Ah	198 mm	173 mm	282/305 mm	26,9 kg
10 PzS - 500 L	2 V	500 Ah	198 mm	191 mm	282/305 mm	29,8 kg

RID PzS - 105 AH / PLATE

Modell	U _n	Capacity	Length (L)	Width (W)	Height (H)	Weight
2 PzS - 100 L	2 V	100 Ah	198 mm	47 mm	282/305 mm	6,8 kg
3 PzS - 150 L	2 V	150 Ah	198 mm	65 mm	282/305 mm	9,6 kg
4 PzS - 200 L	2 V	200 Ah	198 mm	83 mm	282/305 mm	12,4 kg
5 PzS - 250 L	2 V	250 Ah	198 mm	101 mm	282/305 mm	15,3 kg
6 PzS - 300 L	2 V	300 Ah	198 mm	119 mm	282/305 mm	18,2 kg
7 PzS - 350 L	2 V	350 Ah	198 mm	137 mm	282/305 mm	21,1 kg
8 PzS - 400 L	2 V	400 Ah	198 mm	155 mm	282/305 mm	24,0 kg
9 PzS - 450 L	2 V	450 Ah	198 mm	173 mm	282/305 mm	26,9 kg
10 PzS - 500 L	2 V	500 Ah	198 mm	191 mm	282/305 mm	29,8 kg

RID MOTIVE POWER BATTERIES FOR FORKLIFTS



RID PzS - 115 AH / PLATE

Modell	U _n	Capacity	Length (L)	Width (W)	Height (H)	Weight
2 PzS - 100 L	2 V	100 Ah	198 mm	47 mm	282/305 mm	6,8 kg
3 PzS - 150 L	2 V	150 Ah	198 mm	65 mm	282/305 mm	9,6 kg
4 PzS - 200 L	2 V	200 Ah	198 mm	83 mm	282/305 mm	12,4 kg
5 PzS - 250 L	2 V	250 Ah	198 mm	101 mm	282/305 mm	15,3 kg
6 PzS - 300 L	2 V	300 Ah	198 mm	119 mm	282/305 mm	18,2 kg
7 PzS - 350 L	2 V	350 Ah	198 mm	137 mm	282/305 mm	21,1 kg
8 PzS - 400 L	2 V	400 Ah	198 mm	155 mm	282/305 mm	24,0 kg
9 PzS - 450 L	2 V	450 Ah	198 mm	173 mm	282/305 mm	26,9 kg
10 PzS - 500 L	2 V	500 Ah	198 mm	191 mm	282/305 mm	29,8 kg

RID PzS - 125 AH / PLATE

Modell	U _n	Capacity	Length (L)	Width (W)	Height (H)	Weight
2 PzS - 100 L	2 V	100 Ah	198 mm	47 mm	282/305 mm	6,8 kg
3 PzS - 150 L	2 V	150 Ah	198 mm	65 mm	282/305 mm	9,6 kg
4 PzS - 200 L	2 V	200 Ah	198 mm	83 mm	282/305 mm	12,4 kg
5 PzS - 250 L	2 V	250 Ah	198 mm	101 mm	282/305 mm	15,3 kg
6 PzS - 300 L	2 V	300 Ah	198 mm	119 mm	282/305 mm	18,2 kg
7 PzS - 350 L	2 V	350 Ah	198 mm	137 mm	282/305 mm	21,1 kg
8 PzS - 400 L	2 V	400 Ah	198 mm	155 mm	282/305 mm	24,0 kg
9 PzS - 450 L	2 V	450 Ah	198 mm	173 mm	282/305 mm	26,9 kg
10 PzS - 500 L	2 V	500 Ah	198 mm	191 mm	282/305 mm	29,8 kg

RID MOTIVE POWER BATTERIES FOR FORKLIFTS



RID PzS - 140 AH / PLATE

Modell	U _n	Capacity	Length (L)	Width (W)	Height (H)	Weight
2 PzS - 100 L	2 V	100 Ah	198 mm	47 mm	282/305 mm	6,8 kg
3 PzS - 150 L	2 V	150 Ah	198 mm	65 mm	282/305 mm	9,6 kg
4 PzS - 200 L	2 V	200 Ah	198 mm	83 mm	282/305 mm	12,4 kg
5 PzS - 250 L	2 V	250 Ah	198 mm	101 mm	282/305 mm	15,3 kg
6 PzS - 300 L	2 V	300 Ah	198 mm	119 mm	282/305 mm	18,2 kg
7 PzS - 350 L	2 V	350 Ah	198 mm	137 mm	282/305 mm	21,1 kg
8 PzS - 400 L	2 V	400 Ah	198 mm	155 mm	282/305 mm	24,0 kg
9 PzS - 450 L	2 V	450 Ah	198 mm	173 mm	282/305 mm	26,9 kg
10 PzS - 500 L	2 V	500 Ah	198 mm	191 mm	282/305 mm	29,8 kg

RID PzS - 150 AH / PLATE

Modell	U _n	Capacity	Length (L)	Width (W)	Height (H)	Weight
2 PzS - 100 L	2 V	100 Ah	198 mm	47 mm	282/305 mm	6,8 kg
3 PzS - 150 L	2 V	150 Ah	198 mm	65 mm	282/305 mm	9,6 kg
4 PzS - 200 L	2 V	200 Ah	198 mm	83 mm	282/305 mm	12,4 kg
5 PzS - 250 L	2 V	250 Ah	198 mm	101 mm	282/305 mm	15,3 kg
6 PzS - 300 L	2 V	300 Ah	198 mm	119 mm	282/305 mm	18,2 kg
7 PzS - 350 L	2 V	350 Ah	198 mm	137 mm	282/305 mm	21,1 kg
8 PzS - 400 L	2 V	400 Ah	198 mm	155 mm	282/305 mm	24,0 kg
9 PzS - 450 L	2 V	450 Ah	198 mm	173 mm	282/305 mm	26,9 kg
10 PzS - 500 L	2 V	500 Ah	198 mm	191 mm	282/305 mm	29,8 kg



HOPPECKE GRID | POWER V H SERIES OGİ BLOC

Typical applications:

- Power Supply Systems
- Uninterruptible power supply (UPS)
- Substations

Your benefits:

- Very good high-current capability – low investment costs due to innovative electrode structure
- Very high expected service life – due to optimized low-antimony selenium alloy
- Higher short-circuit safety even during the installation – based on HOPPECKE system connectors
- Extremely extended water refill intervals up to maintenance-free – optional use of AquaGen® recombination system minimizes emission of gas and aerosols¹

HOPPECKE GRID | POWER V H SERIES OGİ BLOC

Typical applications:

- Railway applications
 - Railway control centers
 - Signal systems
 - Lighting
- Starter batteries for emergency power diesel generators
- Emergency lighting installations

Your benefits:

- Good high-current capability – low investment costs due to innovative electrode structure
- High expected service life – due to double separation
- Maximum compatibility – design according to DIN 40739
- Higher short-circuit safety even during the installation – based on HOPPECKE system connectors
- Extremely extended water refill intervals up to maintenance free – optional use of AquaGen® recombination system minimizes emission of gas and aerosols¹



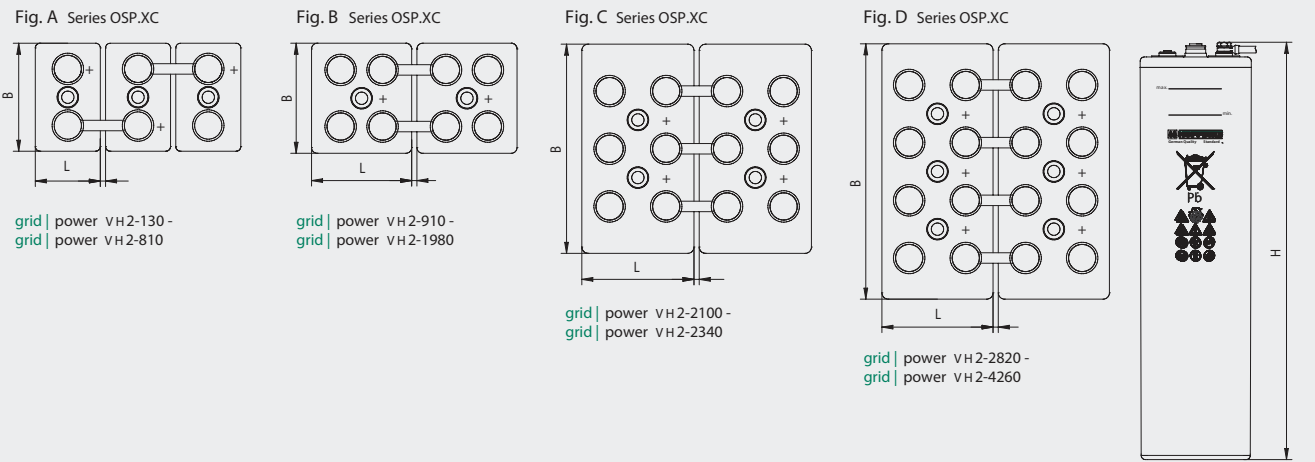
Modell	DIN Type	C ₁₀ /1.80 V	Length	Width	Height	Weight electrolyte, (1.22 kg/l)	Weight approx.	Fig.
grid power V H 2-130	3 OSP.XC 120	132 Ah	105 mm	208 mm	420 mm	15,6 kg	5,4 kg	A
grid power V H 2-175	4 OSP.XC 160	176 Ah	105 mm	208 mm	420 mm	16,9 kg	5,1 kg	A
grid power V H 2-220	5 OSP.XC 200	220 Ah	105 mm	208 mm	420 mm	18,4 kg	4,9 kg	A
grid power V H 2-265	6 OSP.XC 240	264 Ah	126 mm	208 mm	420 mm	22,0 kg	6,2 kg	A
grid power V H 2-310	7 OSP.XC 280	308 Ah	126 mm	208 mm	420 mm	23,3 kg	6,0 kg	A
grid power V H 2-355	8 OSP.XC 320	352 Ah	147 mm	208 mm	420 mm	26,7 kg	7,2 kg	A
grid power V H 2-400	9 OSP.XC 360	396 Ah	189 mm	208 mm	420 mm	33,5 kg	11,6 kg	A
grid power V H 2-445	10 OSP.XC 400	440 Ah	189 mm	208 mm	420 mm	34,0 kg	10,2 kg	A
grid power V H 2-490	11 OSP.XC 440	484 Ah	189 mm	208 mm	420 mm	35,6 kg	9,4 kg	A
grid power V H 2-410	4 OSP.XC 380	406 Ah	147 mm	208 mm	710 mm	40,6 kg	15,6 kg	A
grid power V H 2-510	5 OSP.XC 475	507 Ah	147 mm	208 mm	710 mm	44,0 kg	15,1 kg	A
grid power V H 2-610	6 OSP.XC 570	609 Ah	147 mm	208 mm	710 mm	47,3 kg	14,7 kg	A
grid power V H 2-710	7 OSP.XC 665	710 Ah	147 mm	208 mm	710 mm	50,9 kg	14,1 kg	A
grid power V H 2-810	8 OSP.XC 760	812 Ah	147 mm	208 mm	710 mm	53,8 kg	13,6 kg	A
grid power V H 2-910	9 OSP.XC 855	913 Ah	215 mm	193 mm	710 mm	67,0 kg	18,7 kg	B
grid power V H 2-1010	10 OSP.XC 950	1015 Ah	215 mm	193 mm	710 mm	70,6 kg	18,1 kg	B
grid power V H 2-1120	11 OSP.XC 1045	1116 Ah	215 mm	193 mm	710 mm	73,6 kg	17,7 kg	B
grid power V H 2-1220	12 OSP.XC 1140	1218 Ah	215 mm	235 mm	710 mm	84,6 kg	23,0 kg	B
grid power V H 2-1320	13 OSP.XC 1235	1319 Ah	215 mm	235 mm	710 mm	88,2 kg	22,5 kg	B
grid power V H 2-1420	14 OSP.XC 1330	1420 Ah	215 mm	235 mm	710 mm	91,1 kg	22,1 kg	B
grid power V H 2-1520	15 OSP.XC 1425	1522 Ah	215 mm	277 mm	710 mm	102,1 kg	27,3 kg	B
grid power V H 2-1620	16 OSP.XC 1520	1623 Ah	215 mm	277 mm	710 mm	105,2 kg	26,8 kg	B
grid power V H 2-1720	17 OSP.XC 1615	1725 Ah	215 mm	277 mm	710 mm	108,4 kg	26,5 kg	B
grid power V H 2-1740	15 OSP.XC 1725	1740 Ah	215 mm	277 mm	855 mm	123,5 kg	32,9 kg	B
grid power V H 2-1860	16 OSP.XC 1840	1856 Ah	215 mm	277 mm	855 mm	127,5 kg	32,4 kg	B
grid power V H 2-1980	17 OSP.XC 1955	1973 Ah	215 mm	277 mm	855 mm	131,2 kg	32,0 kg	B
grid power V H 2-2100	18 OSP.XC 2070	2089 Ah	215 mm	400 mm	815 mm	162,5 kg	51,1 kg	C
grid power V H 2-2340	20 OSP.XC 2300	2321 Ah	215 mm	400 mm	815 mm	170,0 kg	49,2 kg	C
grid power V H 2-2820	24 OSP.XC 2760	2785 Ah	215 mm	490 mm	815 mm	216,4 kg	64,3 kg	D
grid power V H 2-3060	26 OSP.XC 2990	3017 Ah	215 mm	490 mm	815 mm	224,7 kg	63,4 kg	D
grid power V H 2-3300	28 OSP.XC 3220	3249 Ah	215 mm	490 mm	815 mm	231,9 kg	62,2 kg	D
grid power V H 2-3540	30 OSP.XC 3450	3481 Ah	215 mm	580 mm	815 mm	253,8 kg	74,5 kg	D
grid power V H 2-3780	32 OSP.XC 3680	3713 Ah	215 mm	580 mm	815 mm	262,4 kg	73,1 kg	D
grid power V H 2-4020	34 OSP.XC 3910	3945 Ah	215 mm	580 mm	815 mm	270,3 kg	71,8 kg	D
grid power V H 2-4260	36 OSP.XC 4140	4177 Ah	215 mm	580 mm	815 mm	277,6 kg	71,0 kg	D

HOPPECKE GRID | POWER V H SERIES OGİ BLOC

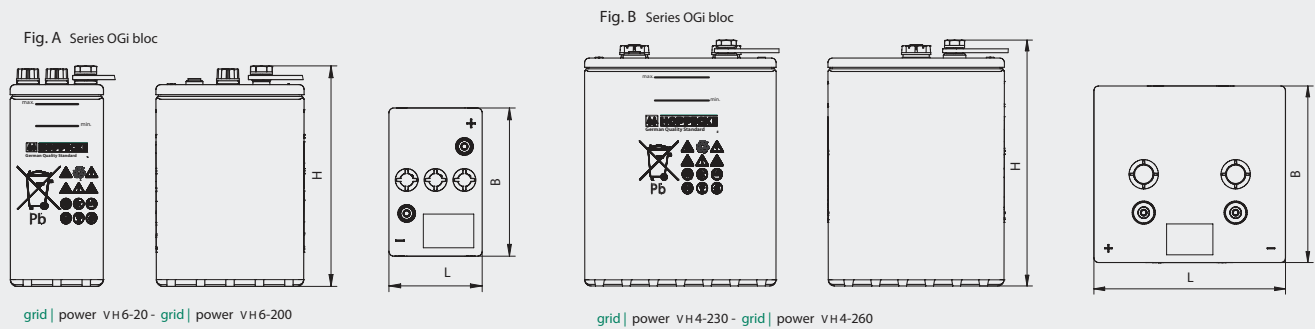


Modell	DIN Type	C ₁₀ /1.80 V	Length	Width	Height	Weight electrolyte, (1.22 kg/l)	Weight approx.	Fig.
grid power V H 6-20	OGİ bloc 6 V 20	23 Ah	115 mm	178 mm	285 mm	9,5 kg	3,2 kg	A
grid power V H 6-40	OGİ bloc 6 V 40	46 Ah	115 mm	178 mm	285 mm	12,0 kg	2,9 kg	A
grid power V H 6-60	OGİ bloc 6 V 60	70 Ah	205 mm	178 mm	285 mm	18,7 kg	5,9 kg	A
grid power V H 6-80	OGİ bloc 6 V 80	93 Ah	205 mm	178 mm	285 mm	21,2 kg	5,7 kg	A
grid power V H 6-100	OGİ bloc 6 V 100	116 Ah	285 mm	178 mm	285 mm	27,8 kg	8,7 kg	A
grid power V H 6-110	OGİ bloc 6 V 110	139 Ah	285 mm	178 mm	285 mm	30,6 kg	8,7 kg	A
grid power V H 6-130	OGİ bloc 6 V 130	174 Ah	285 mm	232 mm	335 mm	40,9 kg	14,9 kg	A
grid power V H 6-160	OGİ bloc 6 V 160	218 Ah	285 mm	232 mm	335 mm	44,9 kg	14,1 kg	A
grid power V H 6-200	OGİ bloc 6 V 200	261 Ah	285 mm	232 mm	335 mm	49,4 kg	13,8 kg	A
grid power V H 6-230	OGİ bloc 6 V 230	305 Ah	252 mm	232 mm	335 mm	40,7 kg	12,1 kg	B
grid power V H 6-260	OGİ bloc 6 V 260	348 Ah	252 mm	232 mm	335 mm	43,2 kg	11,6 kg	B

HOPPECKE OSP - DESIGN LIFE: UP TO 18 YEARS



HOPPECKE OGİ BLOCK - DESIGN LIFE: UP TO 15 YEARS



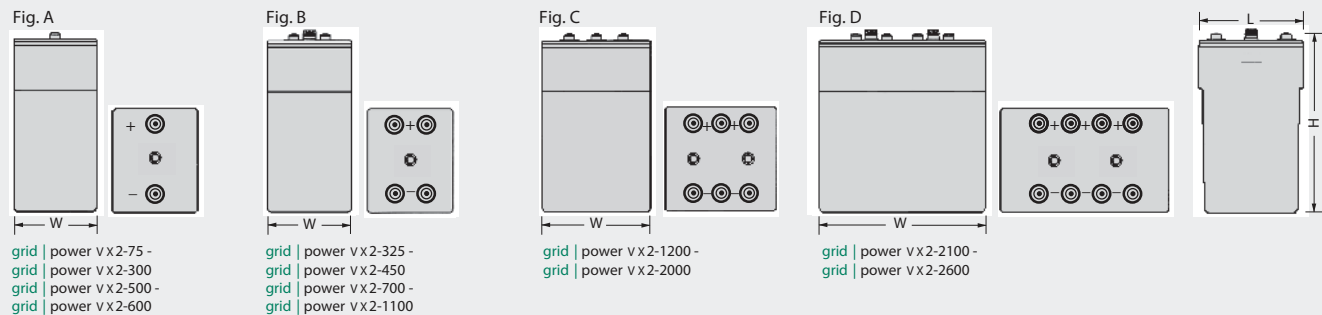


The **grid | power V X** (series **GroE**) is a low-maintenance, vented lead-acid 2V cell in conventional technology with liquid electrolyte (dilute sulfuric acid). It is characterized by its special structure as completely cast grid with a lamellar structure. The use of high-purity grid lead with a high electrode stability and a low acid density results in an expected design life of up to 25 years.

Where **grid | power V X** batteries are absolutely reliable energy suppliers in critical applications. Thanks to its excellent behaviour within the entire discharge voltage load, they are ideally suited for high-current discharges of short duration and thus predestined for use in power plants and switchgear.

The product design according to DIN 40738 ensures maximum compatibility when replacing and expanding existing systems and battery installations. In combination with the recombination system **HOPPECKE grid | AquaGen** you have the option of reducing maintenance costs to the point of being maintenance-free.

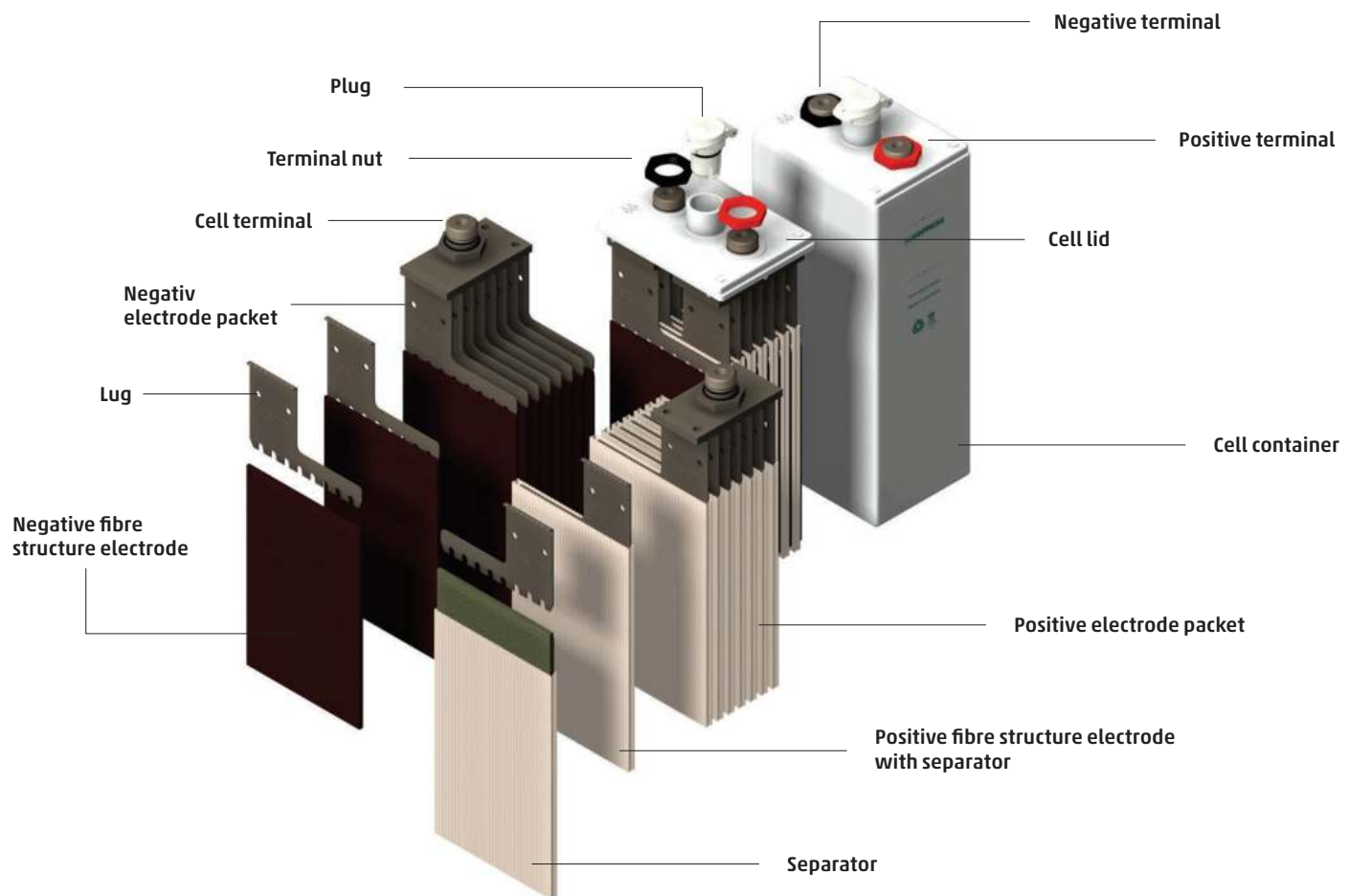
HOPPECKE GroE - DESIGN LIFE: UP TO 25 YEARS



78 - 2860 Ah HOPPECKE SERIES GroE

Modell	DIN Type	C ₁₀ /1.80 V	Length	Width	Height	Weight electrolyte, (1.22 kg/l)	Weight approx.	Fig.
grid power V X 2-75	3GroE75	78 Ah	184 mm	155 mm	410 mm	6,6	17,30	A
grid power V X 2-100	4GroE100	104 Ah	184 mm	155 mm	410 mm	6,5	19,40	A
grid power V X 2-125	5GroE125	130 Ah	184 mm	155 mm	410 mm	6,3	21,50	A
grid power V X 2-150	6GroE150	156 Ah	184 mm	155 mm	410 mm	6,1	23,40	A
grid power V X 2-175	7GroE175	182 Ah	184 mm	155 mm	410 mm	5,9	25,40	A
grid power V X 2-200	8GroE200	208 Ah	184 mm	230 mm	410 mm	9,7	32,20	A
grid power V X 2-225	9GroE225	234 Ah	184 mm	230 mm	410 mm	9,5	34,10	A
grid power V X 2-250	10GroE250	260 Ah	184 mm	230 mm	410 mm	9,3	36,20	A
grid power V X 2-275	11GroE275	286 Ah	184 mm	230 mm	410 mm	9,1	38,20	A
grid power V X 2-300	12GroE300	312 Ah	184 mm	230 mm	410 mm	8,9	40,00	A
grid power V X 2-325	13GroE325	338 Ah	184 mm	340 mm	410 mm	14,3	50,20	B
grid power V X 2-350	14GroE350	364 Ah	184 mm	340 mm	410 mm	14,1	52,10	B
grid power V X 2-375	15GroE375	390 Ah	184 mm	340 mm	410 mm	13,9	54,20	B
grid power V X 2-400	16GroE400	416 Ah	184 mm	340 mm	410 mm	13,7	56,10	B
grid power V X 2-425	17GroE425	424 Ah	184 mm	340 mm	410 mm	13,5	58,10	B
grid power V X 2-450	18GroE450	468 Ah	184 mm	340 mm	410 mm	13,5	60,20	B
grid power V X 2-500	5GroE500	550 Ah	330 mm	270 mm	590 mm	37,0	93,60	A
grid power V X 2-600	6GroE600	660 Ah	330 mm	270 mm	590 mm	36,1	101,00	A
grid power V X 2-700	7GroE700	770 Ah	330 mm	270 mm	590 mm	35,2	110,80	B
grid power V X 2-800	8GroE800	880 Ah	330 mm	270 mm	590 mm	34,3	118,30	B
grid power V X 2-900	9GroE900	990 Ah	330 mm	270 mm	590 mm	33,4	125,70	B
grid power V X 2-1000	10GroE1000	1100 Ah	330 mm	270 mm	590 mm	32,5	133,20	B
grid power V X 2-1100	11GroE1100	1210 Ah	330 mm	270 mm	590 mm	31,6	142,40	B
grid power V X 2-1200	12GroE1200	1320 Ah	330 mm	350 mm	590 mm	42,7	163,80	C
grid power V X 2-1300	13GroE1300	1430 Ah	330 mm	350 mm	590 mm	41,8	171,20	C
grid power V X 2-1400	14GroE1400	1540 Ah	330 mm	350 mm	590 mm	40,9	178,70	C
grid power V X 2-1500	15GroE1500	1650 Ah	330 mm	350 mm	590 mm	40,0	188,60	C
grid power V X 2-1600	16GroE1600	1760 Ah	330 mm	440 mm	590 mm	53,6	212,00	C
grid power V X 2-1700	17GroE1700	1870 Ah	330 mm	440 mm	590 mm	52,7	219,40	C
grid power V X 2-1800	18GroE1800	1980 Ah	330 mm	440 mm	590 mm	51,8	226,90	C
grid power V X 2-1900	19GroE1900	2090 Ah	330 mm	440 mm	590 mm	50,9	234,40	C
grid power V X 2-2000	20GroE2000	2200 Ah	330 mm	440 mm	590 mm	50,0	243,00	C
grid power V X 2-2100	21GroE2100	2310 Ah	330 mm	530 mm	590 mm	65,2	270,70	D
grid power V X 2-2200	22GroE2200	2420 Ah	330 mm	530 mm	590 mm	64,3	278,20	D
grid power V X 2-2300	23GroE2300	2530 Ah	330 mm	530 mm	590 mm	63,4	285,60	D
grid power V X 2-2400	24GroE2400	2640 Ah	330 mm	530 mm	590 mm	62,5	295,50	D
grid power V X 2-2500	25GroE2500	2750 Ah	330 mm	575 mm	590 mm	68,1	309,00	D
grid power V X 2-2600	25GroE2600	2860 Ah	330 mm	575 mm	590 mm	67,2	320,00	D

82 - 200 Ah FIBER STRUCTURE NICKEL CADMIUM BATTERY



Service life up to 25 years

The FNC-Technology has the advantage that the electrolyte does not corrode the fibre structure plate. This increases the service life of the cells significantly.

Minimum maintenance required and capable of high currents

The FNC electrode structure has an active fibre length of more than 300 m³ per cm and a free volume of 90 % for the active material. The advantages: lower internal resistance, longer service intervals and high current capability.

Lower operating costs

The graphite-free FNC electrodes consist of pure active material without additives. During the entire service life of the battery, therefore, no change of the electrolyte is necessary. This significantly reduces the operating costs and protects the environment.

High cycle life

The high elasticity of the conductive material not only ensures a long service life, but also an excellent cycle life (over 3,000 cycles under EN-60623).

Robust against external influences

A big advantage is its excellent resistance against electrical and mechanical abuse.

Easy maintenance in stationary applications

In addition to the easy to open hinged lid plugs, the translucent polypropylene containers also make servicing easier for stationary use: they allow an easy check and correction of the electrolyte level.

No sudden failure

The decrease in capacity towards the end of service life is slow and gradual, without the danger of sudden failure of the battery.

Long shelf-life

Long shelf-life without loss of performance after putting into service.

Our contribution to environmental protection: our own recycling concept

HOPPECKE Battery Systems makes a contribution in accordance with the EU guidelines for responsible handling of industrial batteries by meeting the recycling quota. We guarantee our customers that they can return spent nickel-cadmium batteries - regardless of the technology, the manufacturer or age of the batteries. For this we have developed and implemented our own recycling concept.

Wide operating temperature range

HOPPECKE FNC-Cells can be operated reliably in a temperature range from -25 °C to +60 °C. Using a special electrolyte, temperatures of even -50 °C are possible.

78 - 2860 Ah FIBER STRUCTURE NICKEL CADMIUM BATTERY

Modell	Capac- ity C _s (Ah)	Length (mm)	Width (mm)	Height (mm)	Filling capacity (l)	Weight of cell with electrolyte (kg)
FNC 35 L	35	39	122	250	0,38	1,70
FNC 50 L	50	47	122	250	0,46	2,15
FNC 70 L	70	58	122	250	0,55	2,60
FNC 45 L	45	47	122	309	0,84	2,50
FNC 66 L	66	47	122	309	0,63	2,65
FNC 90 L	90	72	122	309	1,18	3,85
FNC 110 L	110	72	122	309	1,01	4,10
FNC 132 L	132	92	122	309	1,55	5,15
FNC 154 L	154	92	122	309	1,34	5,40
FNC 176 L	176	115	122	309	1,76	6,40
FNC 198 L	198	115	122	309	1,34	6,50
FNC 222 L	222	92	194	309	2,23	8,50
FNC 259 L	259	92	194	309	1,93	8,80
FNC 296 L	296	115	194	309	2,77	10,60
FNC 333 L	333	115	194	309	2,52	11,00
FNC 370 L	370	115	194	309	2,18	11,10
FNC 407 L	407	155	198	309	3,36	14,10
FNC 444 L	444	155	198	309	3,11	14,50
FNC 481 L	481	155	198	309	2,77	14,80
FNC 518 L	518	155	198	309	2,61	15,20
FNC 560 L	560	157	158	405	3,40	16,90
FNC 605 L	605	202	209	405	7,50	24,20
FNC 660 L	660	202	209	405	7,06	24,70
FNC 715 L	715	202	209	405	6,71	25,20
FNC 770 L	770	202	209	405	6,26	28,80
FNC 825 L	825	202	209	405	5,91	26,30
FNC 880 L	880	202	209	405	5,47	26,80
FNC 935 L	935	238	209	405	7,5	30,50
FNC 990 L	990	238	209	405	7,06	31,00
FNC 1045 L	1045	238	209	405	6,62	31,50
FNC 1100 L	1100	238	209	405	6,26	32,10

Modell	Capac- ity C _s (Ah)	Length (mm)	Width (mm)	Height (mm)	Filling capacity (l)	Weight of cell with electrolyte (kg)
FNC 40 M	40	47	122	309	0,84	2,60
FNC 60 M	60	47	122	309	0,55	2,80
FNC 80 M	80	72	122	309	1,05	3,95
FNC 100 M	100	72	122	309	0,88	4,15
FNC 120 M	120	92	122	309	1,43	5,35
FNC 140 M	140	92	122	309	1,22	5,60
FNC 160 M	160	115	122	309	1,60	6,65
FNC 180 M	180	115	122	309	1,43	6,90
FNC 200 M	200	92	194	309	2,06	8,70
FNC 235 M	235	92	194	309	1,76	8,85
FNC 265 M	265	115	194	309	2,10	10,50
FNC 300 M	300	115	194	309	1,93	11,20
FNC 340 M	340	157	158	405	4,58	15,05
FNC 375 M	375	157	158	405	4,33	15,55
FNC 415 M	415	157	158	405	4,08	16,05
FNC 450 M	450	157	158	405	3,82	16,55

Modell	Capac- ity C _s (Ah)	Length (mm)	Width (mm)	Height (mm)	Filling capacity (l)	Weight of cell with electrolyte (kg)
FNC 35 H	35	47	122	309	0,76	2,60
FNC 46 H	46	47	122	309	0,67	2,80
FNC 58 H	58	72	122	309	1,18	3,95
FNC 69 H	69	72	122	309	1,09	4,15
FNC 80 H	80	72	122	309	0,92	4,30
FNC 93 H	93	92	122	309	1,43	5,40
FNC 104 H	104	92	122	309	1,34	5,55
FNC 115 H	115	115	122	309	1,81	6,60
FNC 125 H	125	115	122	309	1,64	6,90
FNC 135 H	135	115	122	309	1,51	7,05
FNC 140 H	140	92	194	309	2,31	8,45
FNC 160 H	160	92	194	309	2,10	8,75
FNC 180 H	180	92	194	309	1,89	9,00
FNC 200 H	200	115	194	309	2,82	10,85
FNC 220 H	220	115	194	309	2,56	11,10
FNC 240 H	240	115	194	309	2,44	11,45



10 - 100 KVA RID UPS - UNINTERRUPTIBLE POWER SUPPLY



RID UPS HC 10 - 80 KVA (0,9PF) 3X380/400/415 V IN-OUT - 50/60 HZ

Modell	kVA / KW	approx. run- time at PF=0.8 load 100% / 75%	Dimensions, mm			Battery, Qty / Ah	Battery String Cabinet Model	Weight, kg
			Length	Width	Height			
RID UPS HC 10 KVA	10.0 / 9.0	6 / 8	828	250	868	20 / 12	1 / A8	115 / 57
RID UPS HC 15 KVA	15.0 / 13.5	8 / 12	828	250	868	40 / 12	1 / A10	170 / 63
RID UPS HC 20 KVA	20.0 / 18.0	5 / 8	828	250	868	40 / 26	1 / A10	171 / 64
RID UPS HC 30 KVA	30.0 / 27.0	8 / 12	828	250	868	40 / 65	2 / A10	223 / 71
RID UPS HC 40 KVA	40.0 / 36.0	6 / 9	828	250	868	20 / 12	2 / A10	73
RID UPS HC 60 KVA	60.0 / 54.0	5 / 9	828	250	868	40 / 12	1 / A10	118
RID UPS HC 80 KVA	80.0 / 72.0	8 / 13	828	250	868	40 / 26	1 / A20	122
RID UPS HC 100 KVA	100.0 / 90.0	4 / 6	828	250	868	40 / 65	1 / A20	122

10 - 1000 KVA RID UPS UNINTERRUPTIBLE POWER SUPPLY

RID UPS IX 10 - 1000 KVA

Modell	kVA / KW	approx. run-time at PF=0.8 load 100% / 75%	Dimensions, mm			Battery, Qty / Ah	Battery String Cabinet Model	Weight, kg
			Length	Width	Height			
RID UPS IX 10 KVA	10.0 / 9.0	13 / 20	460	805	1107	62 / 7	1 / Internal	122
RID UPS IX 15 KVA	15.0 / 13.5	7 / 11	460	805	1107	62 / 7	1 / Internal	123
RID UPS IX 20 KVA	20.0 / 18.0	5 / 8	460	805	1107	62 / 7	1 / Internal	127
RID UPS IX 30 KVA	30.0 / 27.0	3 / 5	460	805	1107	62 / 9	1 / Internal	146
RID UPS IX 40 KVA	40.0 / 36.0	3 / 5	460	805	1107	62 / 12	1 / External	167
RID UPS IX 60 KVA	60.0 / 54.0	4 / 6	460	805	1107	62 / 18	1 / External	177
RID UPS IX 80 KVA	80.0 / 72.0	5 / 6	600	900	1400	62 / 24	1 / External	322
RID UPS IX 100 KVA	100.0 / 90.0	5 / 7	600	900	1400	62 / 18	2 / External	351
RID UPS IX 120 KVA	120.0 / 108.0	4 / 7	600	900	1400	62 / 38	1 / External	360
RID UPS IX 160 KVA	160.0 / 144.0	4 / 7	830	870	1800	62 / 50	1 / External	475
RID UPS IX 200 KVA	200.0 / 180.0	4 / 7	830	870	1800	62 / 65	1 / External	490
RID UPS IX 250 KVA	250.0 / 225.0	4 / 5	830	870	1800	62 / 65	1 / External	605
RID UPS IX 300 KVA	300.0 / 270.0	4 / 7	1200	825	1854	62 / 80	1 / External	615
RID UPS IX 400 KVA	400.0 / 360.0	5 / 9	1200	825	1854	62 / 80	1 / External	625
RID UPS IX 500 KVA	500.0 / 450.0	4 / 6	2000	870	2050	62 / 80	2 / External	625
RID UPS IX 600 KVA	600.0 / 540.0	4 / 7	2000	870	2050	62 / 100	2 / External	1510
RID UPS IX 800 KVA	800.0 / 720.0	4 / 7	2000	870	2050	62 / 100	3 / External	1740
RID UPS IX 1000 KVA	1000.0 / 900.0	3 / 5	2000	870	2050	62 / 100	3 / External	1780

RID UPS - A COMPLETE SOLUTION FOR YOUR EMERGENCY SYSTEMS

The RID UPS products are intended to ensure energy supply to emergency escape lighting in the event of mains supply failure. Depending on the local legislation, it may be suitable for energizing other essential safety equipment, such as:

- | electric circuits of automatic fire extinguishing installations
- | paging systems and signaling safety installations
- | smoke extraction equipment
- | carbon monoxide warning systems
- | special safety installations related to specific buildings, e.g. high-risk areas

The wide range is suitable for all standard needs. For non-standard requests, our team of experts is on hand to adapt the products to your needs

STANDARD COMMUNICATION FEATURES

- | User-friendly 7" touch-screen multilingual colour graphic display
- | Slots for communication options
- | Dry-contact interface (configurable voltage-free contacts)

COMMUNICATION OPTIONS

- | Dry-contact interface (configurable voltage-free contacts)
- | MODBUS RTU RS485 or MODBUS TCP
- | NET VISION: professional WEB/SNMP
- | Ethernet interface for secure UPS monitoring and remote

BATTERIES DIAGNOSTICS



Modell	Un, V	DC Voltage Range, V	Dimensions, mm			Weight, kg
			mm	mm	mm	
RID BRG-20 BATTERY REGENERATOR		1V-20V/35A	404	271	210	12,5
RID BRG-35 BATTERY REGENERATOR		2V-35V/45A	404	271	210	13,5
RID BRG-60 BATTERY REGENERATOR		3V-65V/15A	404	271	210	12,5
RID BMG-30 BATTERY TESTER		0,1V-30V	190	119	38	0,7
RID BATTERY LOGGER		7V-95V	62	34	62	0,10



RID REGENERATOR - 12V

Repair of all types of Batteries: Sb, Ca, Silver, Ca+, Li, NiCd, AGM, GEL.
Of any equipment: forklifts, vehicles, snowmobiles, hand-held tools, floor polishers, etc.

Discharge test to ascertain actual capacity by the methodology specified by the manufacturer

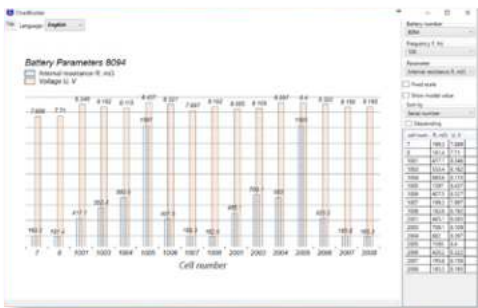
Automatic generation of maintenance program

Repair capability of a re-polarized battery



RID TESTER

- DC voltage measurement voltage
- Measurement of parameters internal resistance
- Can set the frequency measurement
- Battery characteristics can be the characteristics of the battery can be while the battery is operating in the system, without interrupting the circuit



BATTERY TESTING AND RECOVERY LABORATORY

Welcome to our specialized test laboratory for all types of batteries! We offer you comprehensive services related to batteries - from diagnostics to repairs. Regardless of whether it is vehicle batteries, industrial batteries, batteries for mobile devices or special lithium-ion batteries - you are in the best hands with us.

Battery diagnostics

We carry out precise diagnostics to check the condition of your battery. Using the latest measuring technology, we analyze the performance, voltage and service life of your battery and can thus determine whether a repair or replacement is necessary.

Different battery types

Our laboratory specializes in a wide range of battery types - from automotive batteries to e-bike batteries to specialized industrial batteries. Whether it's standard or high-tech batteries, we have the expertise and technology to test and repair any type of battery.

Customized solutions

We offer customized solutions tailored to your individual needs. If you have special requirements for your batteries, we are happy to assist you with our specialist knowledge and expertise.

Replacement batteries and upgrades

We offer customized solutions tailored to your individual needs. If you have special requirements for your batteries, we are happy to assist you with our specialist knowledge and expertise.

Battery repair

In many cases it is not necessary to replace the battery completely. Our experts will repair your battery and bring it back to optimal condition. We offer repairs for a variety of battery types to extend the service life of your devices and save costs.



Why choose us?

- **Expertise:** Our team consists of experienced technicians who specialize in battery repair and diagnostics.
- **State-of-the-art technology:** We use sophisticated testing equipment to ensure that each battery is thoroughly tested.
- **Customer satisfaction:** Your trust is important to us. We offer fast, reliable and cost-effective solutions.

Visit us in our lab to learn more about our services or contact us directly to schedule a battery test or repair. We look forward to helping you get your batteries back in top shape!





RID BATTERY • GERMANY



RID XTREME

for Uninterruptible
Power Supply (UPS)



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