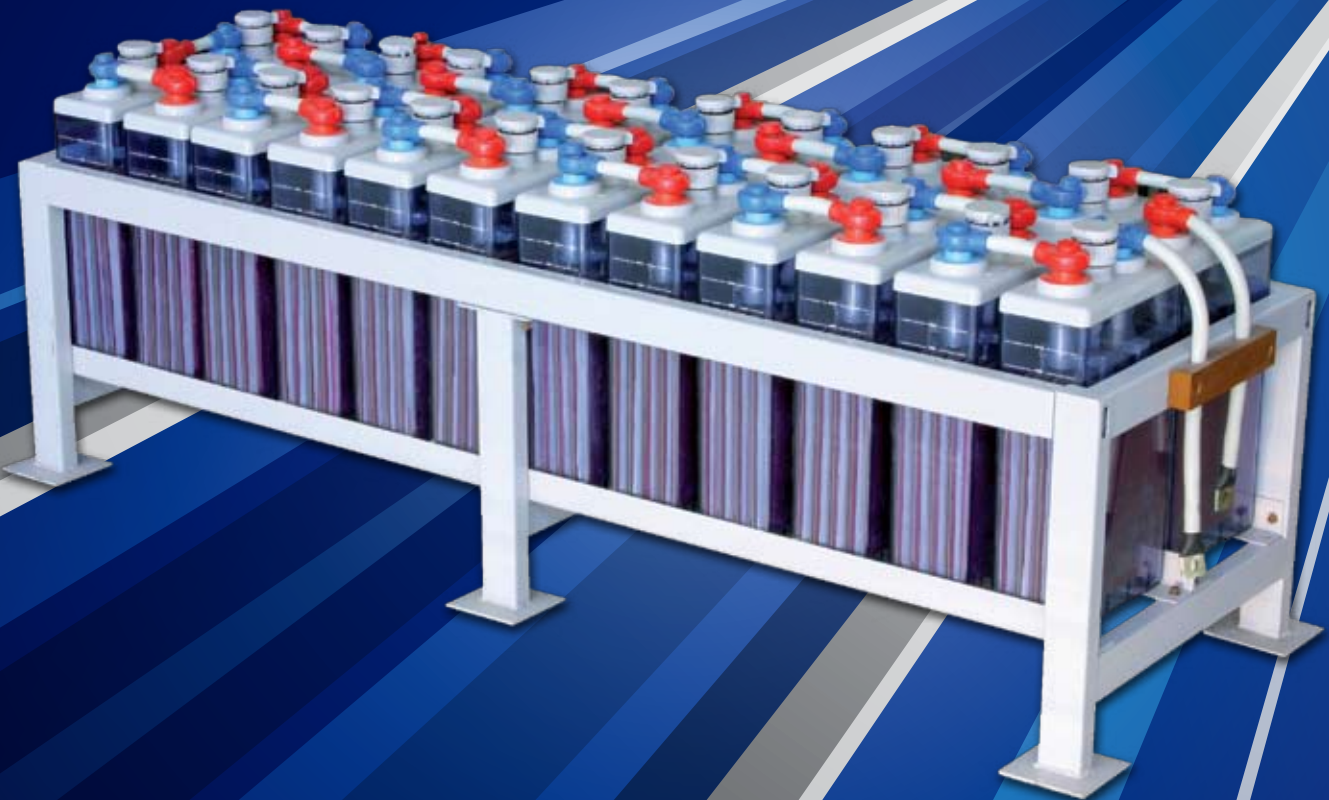


# INDUSTRIAL BATTERIES



ISO 9001

## NF VLA Tubular Plate Series



### Specifications

2 Volt Series :  
Capacities, 200Ah – 3000Ah

6 & 12 Volt Series :  
Capacities, 50Ah – 300Ah

### Features

Vented (Flooded) Lead Acid

Long Design Life

Designed in accordance with  
relevant DIN standards.

Neuton Power brand,  
exclusive to YHI Power.

### Applications

Utilities

UPS Systems

Telecommunications

Emergency Lighting

Solar / Wind Power



# NF 2 Volt Series



## Features

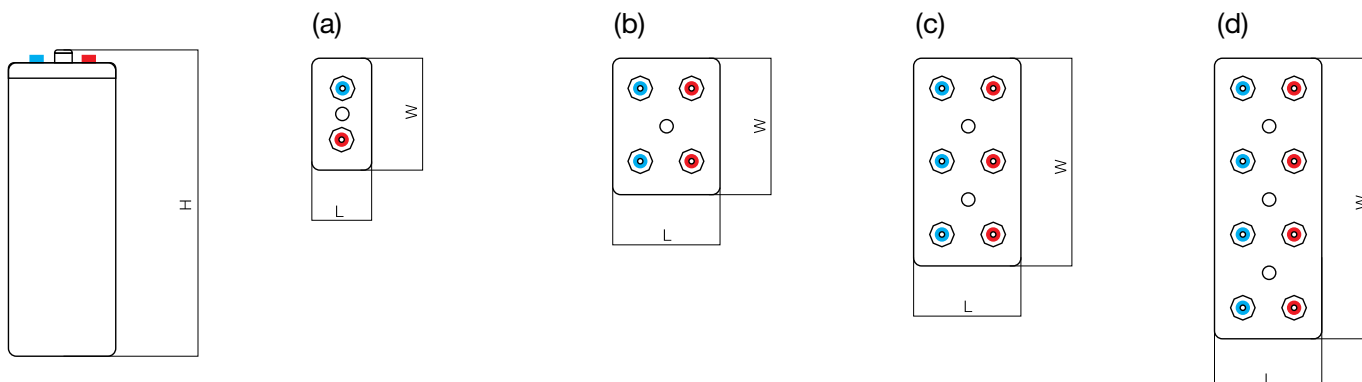
- OPzS Flooded VLA construction
- Long design life: 20 years @ 25°C float
- Wide range of capacities available - up to 3000 Ah
- Wide operational temperature range: -20°C to 50°C .
- Proven reliability
- Meets Battery Design Standards: DIN40736 and IEC60896-1.
- OPzS batteries using tubular plate technology with electrolyte density of 1.240 kg/m<sup>3</sup> .
- Container Material: Transparent AS plastic ( imported from Italy )
- Tubular Plate with Lead-Antimony multi alloy

## General Specifications

Battery Model No.	Voltage (Volts)	Nominal Capacity C <sub>10</sub> To 1.80 Vpc	Length (mm)	Width (mm)	Height (mm)	Weight (Kg)		Terminal Type/ Layout	Internal Impedance (MilliOhms)	Short Circuit Current (Amps)
						Dry	Filled with acid			
NF2(OPzS)-200	2	200	103	206	409	13.5	18.0	M10 (a)	0.62	3129
NF2(OPzS)-300	2	300	145	206	409	19.0	25.0	M10(a)	0.53	3661
NF2(OPzS)-500	2	500	166	206	525	29.0	39.0	M10 (a)	0.45	4311
NF2(OPzS)-600	2	600	145	206	700	34.0	46.0	M10 (a)	0.44	4409
NF2(OPzS)-800	2	800	210	191	700	48.0	64.0	M10 (b)	0.41	4732
NF2(OPzS)-1000	2	1000	210	233	700	57.0	77.0	M10(b)	0.37	5243
NF2(OPzS)-1200	2	1200	210	275	700	68.0	92.0	M10 (b)	0.34	5706
NF2(OPzS)-1500	2	1500	210	275	850	82.0	112.0	M10 (b)	0.32	6063
NF2(OPzS)-2000	2	2000	214	399	826	110.0	150.0	M10 (c)	0.28	6929
NF2(OPzS)-3000	2	3000	212	576	826	163.0	225.0	M10 (d)	0.24	8083

## Battery Dimensions & Layout

 = - terminal    
  = + terminal    
 H = Height     L = Length     W = Width



## 2 VOLT SERIES PERFORMANCE DATA @ 25°C

### Constant Power Discharge (Watts / Cell)

#### End Voltage 1.70 Vpc

Model Number	15 Mins	30 Mins	1 Hour	2 Hours	3 Hours	4 Hours	8 Hours	10 Hours
NF2(OPzS)-200	376	302	219	146	109	87	49	41
NF2(OPzS)-300	566	453	330	219	162	131	75	63
NF2(OPzS)-500	761	655	507	351	274	222	126	105
NF2(OPzS)-600	824	739	608	446	353	284	163	137
NF2(OPzS)-800	1098	985	810	594	470	380	217	184
NF2(OPzS)-1000	1371	1230	1013	742	589	473	271	229
NF2(OPzS)-1200	1645	1477	1215	891	706	568	326	276
NF2(OPzS)-1500	1716	1593	1368	1037	808	645	367	306
NF2(OPzS)-2000	2167	2012	1726	1311	1076	861	488	409
NF2(OPzS)-3000	3250	3019	2593	1967	1543	1261	731	615

#### End Voltage 1.75 Vpc

Model Number	15 Mins	30 Mins	1 Hour	2 Hours	3 Hours	4 Hours	8 Hours	10 Hours
NF2(OPzS)-200	336	280	208	145	109	87	49	41
NF2(OPzS)-300	505	419	313	217	162	131	75	63
NF2(OPzS)-500	645	630	504	358	274	222	126	105
NF2(OPzS)-600	675	613	518	393	347	284	163	137
NF2(OPzS)-800	901	818	692	524	464	380	217	184
NF2(OPzS)-1000	1126	1023	864	656	579	473	271	229
NF2(OPzS)-1200	1350	1228	1037	787	694	568	326	276
NF2(OPzS)-1500	1399	1313	1116	841	803	645	367	306
NF2(OPzS)-2000	1825	1795	1526	1256	1125	904	512	429
NF2(OPzS)-3000	2738	2693	2288	1883	1582	1315	768	646

#### End Voltage 1.80 Vpc

Model Number	15 Mins	30 Mins	1 Hour	2 Hours	3 Hours	4 Hours	8 Hours	10 Hours
NF2(OPzS)-200	293	249	190	137	106	85	49	41
NF2(OPzS)-300	441	375	286	205	157	128	75	63
NF2(OPzS)-500	625	561	449	334	262	214	126	105
NF2(OPzS)-600	659	610	514	411	328	269	161	136
NF2(OPzS)-800	879	814	687	549	437	358	213	182
NF2(OPzS)-1000	1098	1016	857	685	547	447	267	227
NF2(OPzS)-1200	1318	1220	1029	823	656	537	320	274
NF2(OPzS)-1500	1343	1295	1124	924	742	612	367	306
NF2(OPzS)-2000	1792	1728	1498	1231	990	815	488	409
NF2(OPzS)-3000	2688	2592	2248	1846	1485	1224	731	615

### Constant Current Discharge (Amps)

#### End Voltage 1.75 Vpc

Model Number	10 Mins	15 Mins	30 Mins	45 Mins	1 Hour	2 Hours	3 Hours	4 Hours	8 Hours	10 Hours
NF2(OPzS)-200	192	184	141	111	101	66	50	41	24	20
NF2(OPzS)-300	289	276	212	167	152	99	76	62	37	31
NF2(OPzS)-500	434	419	345	276	256	171	130	104	64	54
NF2(OPzS)-600	475	460	382	319	298	198	153	125	74	62
NF2(OPzS)-800	634	614	509	426	398	264	204	166	98	82
NF2(OPzS)-1000	792	767	636	532	497	330	255	208	123	103
NF2(OPzS)-1200	951	921	764	639	597	396	306	250	148	124
NF2(OPzS)-1500	962	945	885	723	718	505	387	316	188	156
NF2(OPzS)-2000	1283	1260	1180	964	958	674	516	422	251	208
NF2(OPzS)-3000	1925	1891	1770	1447	1437	1011	775	633	377	313

## NF 6 & 12 VOLT SERIES

### Features

- Long design life: 20 years @ 25°C float
- Proven reliability
- Wide operational temperature range: -20°C to 50°C .
- Meets Battery Design Standards; DIN40737 and IEC896-1.

### General Specifications

Battery Model No.	Voltage (Volts)	Nominal Capacity C <sub>10</sub> To 1.80 Vpc	Length (mm)	Width (mm)	Height (mm)	Weight (Kg)		Terminal Type/ Layout	Internal Impedance (MilliOhms)	Short Circuit Current (Amps)
						Dry	Filled with acid			
NF12-50	12	50	272	205	390	25.5	37.0	M8	17.25	680
NF12-100	12	100	272	205	390	39.0	48.0	M8	10.50	1114
NF12-150	12	150	380	205	390	54.0	68.0	M8	7.05	1660
NF6-200	6	200	272	205	390	35.0	45.5	M8	2.40	2450
NF6-250	6	250	380	205	390	45.0	59.0	M8	2.11	2773
NF6-300	6	300	380	205	390	51.0	65.0	M8	1.81	3233

### PERFORMANCE DATA @ 25°C

#### Constant Current Discharge (Amps)

##### End Voltage 1.70 Vpc

Model Number	10 Mins	15 Mins	30 Mins	45 Mins	1 Hour	2 Hours	3 Hours	4 Hours	8 Hours	10 Hours
NF12-50	58	52	47	30	27	17	13	11	6	6
NF12-100	115	103	93	59	53	33	25	21	12	10
NF12-150	172	154	139	89	79	50	38	32	18	15
NF6-200	229	207	186	118	106	68	52	43	26	22
NF6-250	286	259	233	148	133	86	64	54	33	27
NF6-300	344	311	279	177	159	102	77	64	40	32

##### End Voltage 1.85 Vpc

Model Number	10 Mins	15 Mins	30 Mins	45 Mins	1 Hour	2 Hours	3 Hours	4 Hours	8 Hours	10 Hours
NF12-50	31	30	25	20	20	14	11	9	6	5
NF12-100	61	59	49	40	39	27	21	18	11	10
NF12-150	92	89	73	60	59	41	32	27	17	15
NF6-200	123	118	99	81	77	54	43	36	22	19
NF6-250	154	148	124	101	96	68	54	45	28	24
NF6-300	185	177	149	122	116	81	65	54	33	29

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