



motive & network power battery

NS

Accelerate

NSAP series

General Application Batteries

We develop all kind of batteries to meet your need.

NSAF series

Front Terminal Batteries

Front terminal enable fast, safe, easy installation and easy maintenance.

NSAX series

High Rate Discharge Batteries

Special designed grids for optimized high power density. Long design life in standby float service. Advanced lead tin calcium alloy, reduces grid corrosion and promotes long battery life.

NSAG series

Sealed Electrolyte Battery

Excellent performance over long discharges. Suitable where mains power is unstable. Ultra stable polymer separator with glass mat for increased performance.



NSAF SERIES

FRONT TERMINAL BATTERIES



Model	Nominal Voltage (V)	Nominal Capacity (AH)				Approx Dimension (mm)				Approx Weight (kg)
		10HR	8HR	5HR	1HR	Length	Width	Height	Total Height	
NSAF12-55	12	57.8	55.0	52.5	44.3	277	106	222	222	18.00
NSAF12-70	12	73.5	70.0	66.7	54.5	564	114	187	187	25.00
NSAF12-75	12	78.8	75.0	71.5	59.8	564	114	187	187	26.00
NSAF12-90	12	94.5	90.0	85.5	74.50	508	110	225	238.5	31.00
NSAF12-90H	12	94.50	90.0	85.5	74.5	394	110	285	285	32.60
NSAF12-100A	12	105.0	100.0	95.0	81.2	560	110	233	233	35.60
NSAF12-100B	12	105.0	100.0	95.0	81.2	508	110	225	238.5	35.60
NSAF12-100H	12	105.0	100.0	95.0	81.2	394	110	285	285	34.50
NSAF12-125	12	131.3	125.0	119.0	92.6	551	110	287	287	40.50
NSAF12-150A	12	157.6	150.0	140.0	110.4	560	110	280	280	45.50
NSAF12-150B	12	157.6	150.0	140.0	110.4	551	110	287	287	46.00
NSAF12-180	12	189.1	180.0	168.0	128.4	560	126	280	280	54.00

NSAG SERIES

GELLED ELECTROLYTE BATTERY



Model	Nominal Voltage (V)	Nominal Capacity(AH)				Approx Dimension				Approx Weight (kg)
		20HR 1.80V /cell	10HR 1.80V /cell	5HR 1.75V /cell	1HR 1.60V /cell	Length mm	Width mm	Height mm	Total Height mm	
NSAG12-4.0	12	4	3.72	3.24	2.31	90	70	101	107	1.62
NSAG12-5.0	12	5	4.65	4.05	2.89	151	53	93	99	1.93
NSAG12-7.0	12	7	6.51	5.67	4.04	151	65	94	100	2.6
NSAG12-8.0	12	8	7.44	6.48	4.62	151	98	95	101	2.8
NSAG12-10	12	10	9.3	8.1	5.77	151	98	95	101	3.64
NSAG12-15	12	15	14	12.2	8.7	181.5	77	167.5	167.5	5.42
NSAG12-24	12	24	22.3	19.4	13.9	175	166.5	125	125	8.6
NSAG12-24H	12	24	22.3	19.4	13.9	165	125	175	182	9.8
NSAG12-26	12	26	24.2	21.1	15	175	166.5	125	125	9
NSAG12-31	12	31	28.8	25.1	17.9	195	130	164	180	10.68
NSAG12-38	12	38	35.7	31.4	21.9	197	165	170	170	13.5
NSAG12-40	12	40	37.6	33	23	257	132	200	200	15.6
NSAG12-50	12	50	47	41.3	28.8	229	138	205	226	17.5
NSAG12-65	12	65	61.1	53.6	37.4	348	167	178	178	21.5
NSAG12-70	12	70	65.8	57.8	40.3	348	167	178	178	24.5
NSAG12-70H	12	70	65.8	57.8	40.3	259	168	208	230	23.5
NSAG12-80	12	80	75.2	66	46	330	173	212	220	27.5
NSAG12-90	12	90	84.6	74.3	51.8	330	173	212	220	28.5
NSAG12-100	12	100	94	82.5	57.5	330	173	212	220	30.5
NSAG12-110	12	110	103.4	90.8	63.3	410	177	225	225	38.1
NSAG12-125	12	125	117.5	103.1	71.9	344	171	274	280	46.3
NSAG12-140	12	140	131.6	115.5	80.5	485	170	242	242	43.5
NSAG12-200	12	200	188	165	115	522	240	218	224	61.5



BATTERY SPECIFICATION

Model	Nominal Voltage (V)	Nominal Capacity (AH)				Approx Dimension (mm)				Approx Weight (kg)
		10HR	8HR	5HR	1HR	Length	Width	Height	Total Height	
NSAX6-100	6	105.0	100.0	95.0	67.0	195	170	206.5	212.5	15.6
NSAX6-120	6	125.0	120.0	112.0	80.0	280	128	203	203	16.8
NSAX6-150	6	156.0	150.0	140.0	100.0	260	180	247	253	21.2
NSAX6-200	6	210.0	200.0	180.0	132.0	322	178	228	234	30.5
NSAX2-65	2	70.0	65.0	60.5	43.0	170	72	205	212	5.0
NSAX2-72	2	75.0	72.0	69.5	49.1	170	72	205	212	5.5
NSAX2-100	2	105.0	100.0	95.0	67.0	170	72	205	212	6.0
NSAX2-130	2	135.0	130.0	120.0	87.0	170	98	205	212	8.0
NSAX2-150	2	156.0	150.0	140.0	100.0	170	98	205	212	8.5
NSAX2-200	2	210.0	200.0	180.0	134.0	170	110	328	350	12.7
NSAX2-250	2	260.0	250.0	225.0	168.0	170	110	328	350	14.5
NSAX2-300	2	312.0	300.0	270.0	201.0	170	150	328	350	17.5
NSAX2-350	2	365.0	350.0	329.0	230.0	170	150	328	350	19.0
NSAX2-400	2	417.0	400.0	360.0	260.0	210	175	330	350	26.0
NSAX2-450	2	469.0	450.0	400.0	290.0	210	175	330	350	28.0
NSAX2-500	2	525.0	500.0	450.0	330.0	240	170	330	350	28.5
NSAX2-600	2	630.0	600.0	540.0	400.0	300	175	330	350	35.0
NSAX2-700	2	730.0	700.0	640.0	460.0	300	175	330	350	41.6
NSAX2-800	2	830.0	800.0	720.0	520.0	410	175	330	351	50.0
NSAX2-900	2	940.0	900.0	800.0	580.0	410	175	330	351	57.6
NSAX2-1000	2	1042.0	1000.0	900.0	660.0	475	175	328	350	61.6
NSAX2-1000H	2	1042.0	1000.0	900.0	660.0	321	188	621	651	63.0
NSAX2-1200	2	1250.0	1200.0	1080.0	820.0	475	175	328	350	63.0
NSAX2-1200H	2	1250.0	1200.0	1080.0	820.0	321	188	621	651	74.0
NSAX2-1500	2	1560.0	1500.0	1350.0	1000.0	400	350	343	375	94.0
NSAX2-1500H	2	1560.0	1500.0	1350.0	1000.0	321	188	621	651	100.1

NSAX SERIES

HIGH RATE DISCHARGE BATTERIES



Innovation Features :

1. Special designed grid for optimized high power density.
2. Long design life in standby float service.
3. Advanced lead tin calcium alloy, reduces grid corrosion and promotes long battery life.
4. Oversized partition intercell welds, providing low resistance connections and minimal power loss.
5. Performance excels at high rates of discharge and recharge.

Applications :

1. Telecommunications
2. Powered System
3. UPS
4. Railway and Ship Systems
5. Standby Power
6. Solar and Wind Systems

Model	Nominal Voltage (V)	Nominal Capacity (AH)				Approx Dimension (mm)				Approx Weight (kg)
		20HR	10HR	5HR	1HR	Length	Width	Height	Total Height	
NSAP12-40	12	42.0	40.0	34.0	24.0	255	97	203	203	15.00
NSAP12-45	12	47.0	45.0	39.0	27.0	197	165	170	170	14.50
NSAP12-50	12	52.0	50.0	43.0	31.0	257	132	200	200	16.00
NSAP12-55	12	57.0	55.0	47.0	34.0	228	138	208	228	17.70
NSAP12-60	12	62.0	60.0	52.0	37.0	260	168	210	216	21.20
NSAP12-65	12	68.0	65.0	56.0	40.0	348	167	178	178	20.30
NSAP12-70	12	73.0	70.0	60.0	43.0	348	167	178	178	25.00
NSAP12-75	12	78.0	75.0	65.0	46.0	260	168	208	228	23.00
NSAP12-80	12	83.0	80.0	69.0	49.0	259	168	208	214	24.00
NSAP12-90	12	94.0	90.0	77.0	55.0	330	173	212	220	28.00
NSAP12-100	12	104.0	100.0	86.0	61.0	330	173	212	220	31.00
NSAP12-120	12	125.0	120.0	103.0	73.0	410	177	225	225	35.00
NSAP12-140	12	146.0	140.0	120.0	85.0	344	171	274	280	46.30
NSAP12-150	12	156.0	150.0	129.0	91.0	485	170	242	242	42.50
NSAP12-200	12	208.0	200.0	172.0	122.0	522	240	218	224	61.00

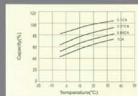
NSAP SERIES

GENERAL APPLICATION BATTERIES

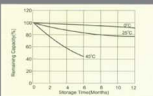


NSAF series graphic

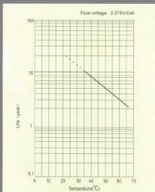
Temperature effects in relation to battery capacity



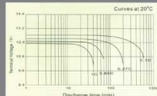
Self discharging characteristics



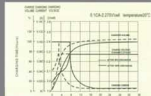
Accelerated life characteristics



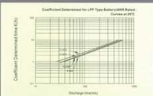
Discharging characteristics



Charging characteristics



Characteristics

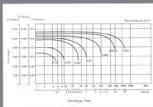


FRONT TERMINAL BATTERIES

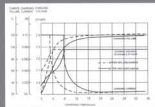
NSAG series graphic

GELLED ELECTROLYTE BATTERY CHARACTERISTICS GRAPHS BASED ON NSAG SERIES PERFORMANCE

Discharging characteristics

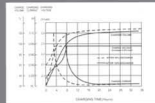
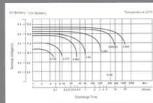


Charging characteristics



NSAX/NSAP series graphic

VALVE REGULATED SEALED LEAD ACID BATTERY CHARACTERISTICS GRAPHS BASED ON NSAX/NSAP SERIES PERFORMANCE



NIPRESS
moving the world in silence