



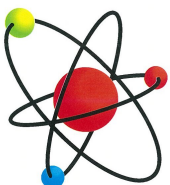
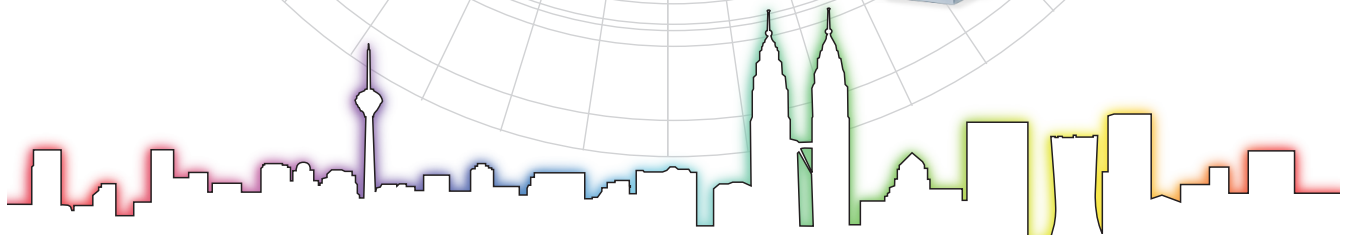
NS RELIANCE®

Environmental Friendly

Maintenance free, high performance NI-MH batteries

Best For Mission Critical

- Emergency Lighting
- HT switchgear tripping
- Fire alarm and security systems
- Process control
- UPS, data and information systems
- Signalling



nonstoppower sdn bhd (822490-P)

no, 25 jalan usahawan 2/1, taman perdagangan elmina, 47000 sungai buloh, selangor darul ehsan malaysia.

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Powerful assurance for mission critical application

NS RELIANCE is where mission critical application required emergency back-up duties with guaranteed instant power. The built-in reliability of sintered/pbe technology Nickel Metal Hydride battery packs complete with auto charge control and monitoring system provides you with cost-effective and trouble-free solution.

Environmental friendly, non-toxic

NS RELIANCE innovative design incorporate high performance nickel metal hydride batteries serve to preserve our environment with many times more superior in performance than other bulky, health harming battery systems commonly used in the market.

High performance – best for efficiency

NS RELIANCE deliver more than 10 times the discharge capacity compared to traditional medium rate nickel cadmium Battery with 3C discharge rate to an end voltage of 1.0 volt per cell.

Superior reliability

NS RELIANCE with built-in reliability of sintered/pbe technology high performance nickel metal hydride batteries packs complete with auto charge control and monitoring system ensured cost-effective and trouble-free service during it's life span. There is no risk of sudden death battery.

Perfect battery sizing

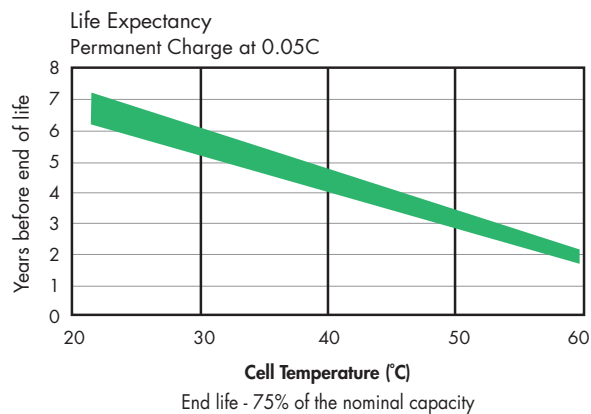
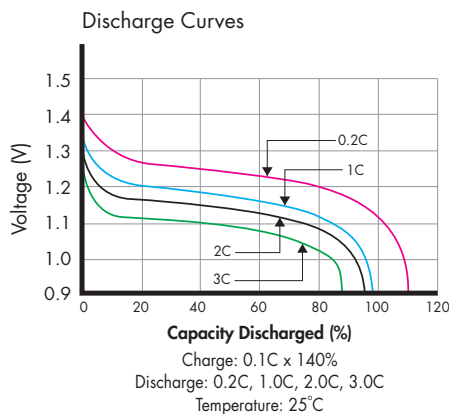
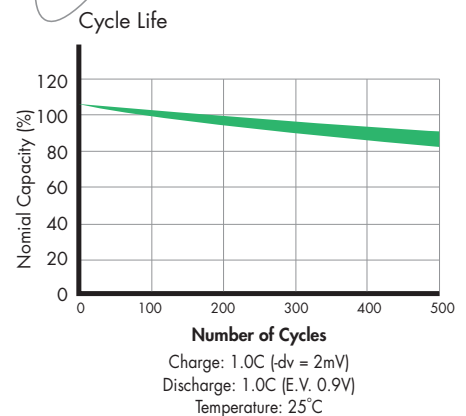
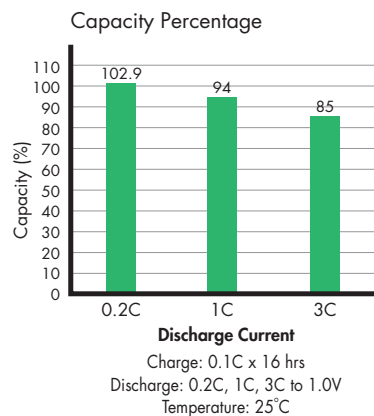
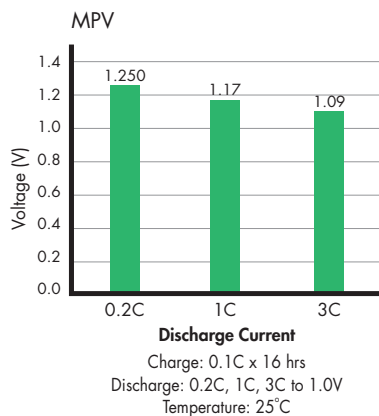
NS RELIANCE designed with modular battery packs ensured perfect battery sizing for various application and field upgradable.

Maintenance free for life

NS RELIANCE equipped with valve regulated gas recombination nickel metal hydride battery technology do not require periodical checking of battery electrolyte level and topping up, hence reduce operating cost to a very minimum.

Performance Characteristics

Single Cells



Battery Packs

High temperature series

High temperature series is specially customized for applications in which the batteries are charged continuously by a small current under relatively high temperature conditions. There is a need for superior high temperature trickle charge performance by combining technology in electrodes, electrolyte and the use of a special separator provides stable trickle charge life characteristics.

Excellent high current discharge characteristics

It is designed to meet the need for high current discharge, such as for switch tripping and can deliver a high current exceeding 3C.

Reliable, long cycle life

In addition to excellent high rate discharge performance, high temperature series batteries also provide hundreds of charge/discharge cycles, showing reliable cycle life characteristics.

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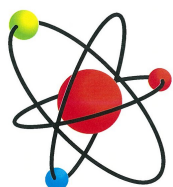
Battery Specifications

Battery Packs

Model No.	Nominal Voltage (V)	Capacity* AH at 5 hour rate	Available amperes at 25 ± 5°C for fully charged cells to final voltage of 1.00 Volts per cell								Weight (kg)	Dimension (mm) H x W x D
			8 Hours	5 Hours	3 Hours	1 Hours	30 Min	15 Min	5 Min	1 Min		
NSP 07 M20X	24	7	0.9	1.4	2.2	6.1	10.2	15.1	30	42	6	165 x 400 x 215 On Chassis
NSP 14 M20X	24	14	1.8	2.8	4.4	12.2	20.4	30.2	60	84	9	
NSP 21 M20X	24	21	2.7	4.2	6.6	18.3	30.6	45.3	90	126	12	
NSP 28 M20X	24	28	3.6	5.6	8.8	24.4	40.8	60.4	120	168	29	520 x 330 x 260
NSP 35 M20X	24	35	4.5	7.0	11.0	30.5	51.0	75.5	150	210	32	520 x 330 x 260
NSP 42 M20X	24	42	5.4	8.4	13.2	36.6	61.2	90.6	180	252	35	520 x 600 x 260
NSP 49 M20X	24	49	6.3	9.8	15.4	42.7	71.4	105.7	210	294	38	520 x 600 x 260
NSP 56 M20X	24	56	7.2	11.2	17.6	48.8	81.6	120.8	240	336	41	520 x 600 x 260
NSP 63 M20X	24	63	8.1	12.6	19.8	54.9	91.8	135.9	270	378	44	520 x 600 x 260
NSP 70 M20X	24	70	9.0	14.0	22.0	61.0	102.0	151.0	300	420	47	520 x 600 x 260
NSP 77 M20X	24	77	9.9	15.4	24.2	67.1	112.2	166.1	330	462	60	520 x 600 x 260
NSP 84 M20X	24	84	10.8	16.8	26.4	73.2	122.4	181.2	360	504	63	520 x 900 x 260
NSP 91 M20X	24	91	11.7	18.2	28.6	79.3	132.6	196.3	390	546	66	520 x 900 x 260
NSP 98 M20X	24	98	12.6	19.6	30.8	85.4	142.8	211.4	420	588	69	520 x 900 x 260
NSP 105 M20X	24	105	13.5	21.0	33.0	91.5	153.0	226.5	450	630	72	520 x 900 x 260
NSP 112 M20X	24	112	14.4	22.4	35.2	97.6	163.2	241.6	480	672	75	520 x 900 x 260
NSP 119 M20X	24	119	15.3	23.8	37.4	103.7	173.4	256.7	510	714	78	520 x 900 x 260
NSP 126 M20X	24	126	16.2	25.2	39.6	109.8	183.6	271.8	540	756	86	520 x 1000 x 260
NSP 133 M20X	24	133	17.1	26.6	41.8	115.9	193.8	286.9	570	798	89	520 x 1000 x 260
NSP 140 M20X	24	140	18.0	28.0	44.0	122.0	204.0	302.0	600	840	92	520 x 1000 x 260
NSP 147 M20X	24	147	18.9	29.4	46.2	128.1	214.2	317.1	630	882	95	520 x 1000 x 260

Remarks: *Capacity test condition: charge at 0.1C for 16 hrs. rest 15 mins, then discharge at 0.2C to 1.0V per cell.

Specification subject to change without prior notice for product improvement.



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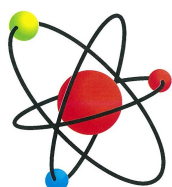
Battery Specifications

Battery Packs

Model No.	Nominal Voltage (V)	Capacity* AH at 5 hour rate	Available amperes at 25 ± 5 °C for fully charged cells to final voltage of 1.14 volts per cell								Weight (kg)	Dimension (mm) H x W x D
			8 Hours	5 Hours	3 Hours	1 Hours	30 Min	15 Min	5 Min	1 Min		
NSP 07 M20X	24	7	0.82	1.31	2.1	5.4	7.4	9.8	13	22	6	165 x 400 x 215 On Chassis
NSP 14 M20X	24	14	1.64	2.62	4.2	10.8	14.8	19.6	26	44	9	
NSP 21 M20X	24	21	2.46	3.93	6.3	16.2	22.2	29.4	39	66	12	
NSP 28 M20X	24	28	3.28	5.24	8.4	21.6	29.6	39.2	52	88	29	520 x 330 x 260
NSP 35 M20X	24	35	4.10	6.55	10.5	27.0	37.0	49.0	65	110	32	520 x 330 x 260
NSP 42 M20X	24	42	4.92	7.86	12.6	32.4	44.4	58.8	78	132	35	520 x 600 x 260
NSP 49 M20X	24	49	5.74	9.17	14.7	37.8	51.8	68.6	91	154	38	520 x 600 x 260
NSP 56 M20X	24	56	6.56	10.48	16.8	43.2	59.2	78.4	104	176	41	520 x 600 x 260
NSP 63 M20X	24	63	7.38	11.79	18.9	48.6	66.6	88.2	117	198	44	520 x 600 x 260
NSP 70 M20X	24	70	8.20	13.10	21.0	54.0	74.0	98.0	130	220	47	520 x 600 x 260
NSP 77 M20X	24	77	9.02	14.41	23.1	59.4	81.4	107.8	143	242	60	520 x 600 x 260
NSP 84 M20X	24	84	9.84	15.72	25.2	64.8	88.8	117.6	156	264	63	520 x 900 x 260
NSP 91 M20X	24	91	10.66	17.03	27.3	70.2	96.2	127.4	169	286	66	520 x 900 x 260
NSP 98 M20X	24	98	11.48	18.34	29.4	75.6	103.6	137.2	182	308	69	520 x 900 x 260
NSP 105 M20X	24	105	12.30	19.65	31.5	81.0	111.0	147.0	195	330	72	520 x 900 x 260
NSP 112 M20X	24	112	13.12	20.96	33.6	86.4	118.4	156.8	208	352	75	520 x 900 x 260
NSP 119 M20X	24	119	13.94	22.27	35.7	91.8	125.8	166.6	221	374	78	520 x 900 x 260
NSP 126 M20X	24	126	14.76	23.58	37.8	97.2	133.2	176.4	234	396	86	520 x 1000 x 260
NSP 133 M20X	24	133	15.58	24.89	39.9	102.6	140.6	186.2	247	418	89	520 x 1000 x 260
NSP 140 M20X	24	140	16.40	26.20	42.0	108.0	148.0	196.0	260	440	92	520 x 1000 x 260
NSP 147 M20X	24	147	17.22	27.51	44.1	113.4	155.4	205.8	273	462	95	520 x 1000 x 260

Remarks: *Capacity test condition: charge at 0.1C for 16 hrs. rest 15 mins, then discharge at 0.2C to 1.0V per cell.

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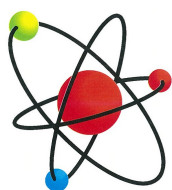
Battery Specifications

Battery Packs

Model No.	Nominal Voltage (V)	Capacity* AH at 5 hour rate	Available amperes at 25 ± 5°C for fully charged cells to final voltage of 1.10 volts per cell								Weight (kg)	Dimension (mm) H x W x D
			8 Hours	5 Hours	3 Hours	1 Hours	30 Min	15 Min	5 Min	1 Min		
NSP 07 M20X	24	7	0.85	1.36	2.25	6.3	9.6	12.7	17	27	6	165 x 400 x 215 On Chassis
NSP 14 M20X	24	14	1.70	2.72	4.50	12.6	19.2	25.4	34	54	9	
NSP 21 M20X	24	21	2.55	4.08	6.75	18.9	28.8	38.1	51	81	12	
NSP 28 M20X	24	28	3.40	5.44	9.00	25.2	38.4	50.8	68	108	29	520 x 330 x 260
NSP 35 M20X	24	35	4.25	6.80	11.25	31.5	48.0	63.5	85	135	32	520 x 330 x 260
NSP 42 M20X	24	42	5.10	8.16	13.50	37.8	57.6	76.2	102	162	35	520 x 600 x 260
NSP 49 M20X	24	49	5.95	9.52	15.75	44.1	67.2	88.9	119	189	38	520 x 600 x 260
NSP 56 M20X	24	56	6.80	10.88	18.00	50.4	76.8	101.6	136	216	41	520 x 600 x 260
NSP 63 M20X	24	63	7.65	12.24	20.25	56.7	86.4	114.3	153	243	44	520 x 600 x 260
NSP 70 M20X	24	70	8.50	13.60	22.50	63.0	96.0	127.0	170	270	47	520 x 600 x 260
NSP 77 M20X	24	77	9.35	14.96	24.75	69.3	105.6	139.7	187	297	60	520 x 600 x 260
NSP 84 M20X	24	84	10.20	16.32	27.00	75.6	115.2	152.4	204	324	63	520 x 900 x 260
NSP 91 M20X	24	91	11.05	17.68	29.25	81.9	124.8	165.1	221	351	66	520 x 900 x 260
NSP 98 M20X	24	98	11.90	19.04	31.50	88.2	134.4	177.8	238	378	69	520 x 900 x 260
NSP 105 M20X	24	105	12.75	20.40	33.75	94.5	144.0	190.5	255	405	72	520 x 900 x 260
NSP 112 M20X	24	112	13.60	21.76	36.00	100.8	153.6	203.2	272	432	75	520 x 900 x 260
NSP 119 M20X	24	119	14.45	23.12	38.25	107.1	163.2	215.9	289	459	78	520 x 900 x 260
NSP 126 M20X	24	126	15.30	24.48	40.50	113.4	172.8	228.6	306	486	86	520 x 1000 x 260
NSP 133 M20X	24	133	16.15	25.84	42.75	119.7	182.4	241.3	323	513	89	520 x 1000 x 260
NSP 140 M20X	24	140	17.00	27.20	45.00	126.0	192.0	254.0	340	540	92	520 x 1000 x 260
NSP 147 M20X	24	147	17.85	28.56	47.25	132.3	201.6	266.7	357	567	95	520 x 1000 x 260

Remarks: *Capacity test condition: charge at 0.1C for 16 hrs. rest 15 mins, then discharge at 0.2C to 1.0V per cell.

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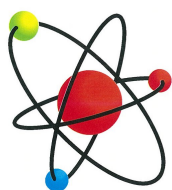
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Battery Specifications

Battery Packs

Model No.	Nominal Voltage (V)	Capacity* AH at 5 hour rate	Available amperes at 25 ± 5 °C for fully charged cells to final voltage of 1.05 volts per cell								Weight (kg)	Dimension (mm) H x W x D
			8 Hours	5 Hours	3 Hours	1 Hours	30 Min	15 Min	5 Min	1 Min		
NSP 07 M20X	24	7	0.88	1.38	2.3	6.6	11.9	15.8	22	34	6	165 x 400 x 215 On Chassis
NSP 14 M20X	24	14	1.76	2.76	4.6	13.2	23.8	31.6	44	68	9	
NSP 21 M20X	24	21	2.64	4.14	6.9	19.8	35.7	47.4	66	102	12	
NSP 28 M20X	24	28	3.52	5.52	9.2	26.4	47.6	63.2	88	136	29	520 x 330 x 260
NSP 35 M20X	24	35	4.40	6.90	11.5	33.0	59.5	79.0	110	170	32	520 x 330 x 260
NSP 42 M20X	24	42	5.28	8.28	13.8	39.6	71.4	94.8	132	204	35	520 x 600 x 260
NSP 49 M20X	24	49	6.16	9.66	16.1	46.2	83.3	110.6	154	238	38	520 x 600 x 260
NSP 56 M20X	24	56	7.04	11.04	18.4	52.8	95.2	126.4	176	272	41	520 x 600 x 260
NSP 63 M20X	24	63	7.92	12.42	20.7	59.4	107.1	142.2	198	306	44	520 x 600 x 260
NSP 70 M20X	24	70	8.80	13.80	23.0	66.0	119.0	158.0	220	340	47	520 x 600 x 260
NSP 77 M20X	24	77	9.68	15.18	25.3	72.6	130.9	173.8	242	374	60	520 x 600 x 260
NSP 84 M20X	24	84	10.56	16.56	27.6	79.2	142.8	189.6	264	408	63	520 x 900 x 260
NSP 91 M20X	24	91	11.44	17.94	29.9	85.8	154.7	205.4	286	442	66	520 x 900 x 260
NSP 98 M20X	24	98	12.32	19.32	32.2	92.4	166.6	221.2	308	476	69	520 x 900 x 260
NSP 105 M20X	24	105	13.20	20.70	34.5	99.0	178.5	237.0	330	510	72	520 x 900 x 260
NSP 112 M20X	24	112	14.08	22.08	36.8	105.6	190.4	252.8	352	544	75	520 x 900 x 260
NSP 119 M20X	24	119	14.96	23.46	39.1	112.2	202.3	268.6	374	578	78	520 x 900 x 260
NSP 126 M20X	24	126	15.84	24.84	41.4	118.8	214.2	284.4	396	612	86	520 x 1000 x 260
NSP 133 M20X	24	133	16.72	26.22	43.7	125.4	226.1	300.2	418	646	89	520 x 1000 x 260
NSP 140 M20X	24	140	17.60	27.60	46.0	132.0	238.0	316.0	440	680	92	520 x 1000 x 260
NSP 147 M20X	24	147	18.48	28.98	48.3	138.6	249.9	331.8	462	714	95	520 x 1000 x 260

Remarks: *Capacity test condition: charge at 0.1C for 16 hrs. rest 15 mins, then discharge at 0.2C to 1.0V per cell.
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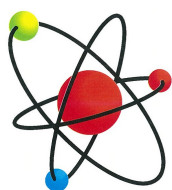
Battery Specifications

Battery Packs

Model No.	Nominal Voltage (V)	Capacity* AH at 5 hour rate	Available amperes at 25 ± 5°C for fully charged cells to final voltage of 1.00 volts per cell								Weight (kg)	Dimension (mm) H x W x D
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NSP 07 M20X	24	7	0.9	1.4	2.3	6.8	12.6	19.5	27	42	6	165 x 400 x 215 On Chassis
NSP 14 M20X	24	14	1.8	2.8	4.6	13.6	25.2	39.0	54	84	9	
NSP 21 M20X	24	21	2.7	4.2	6.9	20.4	37.8	58.5	81	126	12	
NSP 28 M20X	24	28	3.6	5.6	9.2	27.2	50.4	78.0	108	168	29	520 x 330 x 260
NSP 35 M20X	24	35	4.5	7.0	11.5	34.0	63.0	97.5	135	210	32	520 x 330 x 260
NSP 42 M20X	24	42	5.4	8.4	13.8	40.8	75.6	117.0	162	252	35	520 x 600 x 260
NSP 49 M20X	24	49	6.3	9.8	16.1	47.6	88.2	136.5	189	294	38	520 x 600 x 260
NSP 56 M20X	24	56	7.2	11.2	18.4	54.4	100.8	156.0	216	336	41	520 x 600 x 260
NSP 63 M20X	24	63	8.1	12.6	20.7	61.2	113.4	175.5	243	378	44	520 x 600 x 260
NSP 70 M20X	24	70	9.0	14.0	23.0	68.0	126.0	195.0	270	420	47	520 x 600 x 260
NSP 77 M20X	24	77	9.9	15.4	25.3	74.8	138.6	214.5	297	462	60	520 x 600 x 260
NSP 84 M20X	24	84	10.8	16.8	27.6	81.6	151.2	234.0	324	504	63	520 x 900 x 260
NSP 91 M20X	24	91	11.7	18.2	29.9	88.4	163.8	253.5	351	546	66	520 x 900 x 260
NSP 98 M20X	24	98	12.6	19.6	32.2	95.2	176.4	273.0	378	588	69	520 x 900 x 260
NSP 105 M20X	24	105	13.5	21.0	34.5	102.0	189.0	292.5	405	630	72	520 x 900 x 260
NSP 112 M20X	24	112	14.4	22.4	36.8	108.8	201.6	312.0	432	672	75	520 x 900 x 260
NSP 119 M20X	24	119	15.3	23.8	39.1	115.6	214.2	331.5	459	714	78	520 x 900 x 260
NSP 126 M20X	24	126	16.2	25.2	41.4	122.4	226.8	351.0	486	756	86	520 x 1000 x 260
NSP 133 M20X	24	133	17.1	26.6	43.7	129.2	239.4	370.5	513	798	89	520 x 1000 x 260
NSP 140 M20X	24	140	18.0	28.0	46.0	136.0	252.0	390.0	540	840	92	520 x 1000 x 260
NSP 147 M20X	24	147	18.9	29.4	48.3	142.8	264.6	409.5	567	882	95	520 x 1000 x 260

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