

NP Series General Batteries

With the latest advanced design of Oxygen Combination, Toasan has produced a new generation of Valve - regulated Lead Acid batteries based on a long history of more than 18 years in research and development.

Main Applications:

- Portable VTR/TV, tape recorders, radios, etc.
- Power tools, lawn mowers and vacuum cleaners
- Cameras and photographic equipment
- Computers etc.
- Portable measuring equipment
- Portable telephone sets
- Various power toys and recreational equipment
- Lighting equipment
- Uninterruptible Power Supply
- Communications and electric equipment
- Emergency lighting equipment
- Fire alarms and security systems
- Various telemeter equipment
- Office computers, processors and other office automation equipment
- Robots, control equipment and other factory automation equipment
- Emergency power supplies in power generation plants and substations
- Telecommunications



General Specifications:

Micro Type (Capacity from 0.8Ah to 18Ah)

Type	Nom	Rated Capacity	Length		Width		Height		Total height		Approx. Weight		Terminal Type
	Volt		(Ah)	mm	in	mm	in	mm	in	mm	in	Kg	
NP1-6	6	1	51	2.01	42	1.65	51	2.01	56	2.2	0.22	0.49	F1
NP1.3-6		1.3	97	3.82	24	0.94	52	2.05	58	2.28	0.31	0.68	F1
NP2.8-6		2.8	66	2.6	33	1.3	97	3.82	104	4.09	0.64	1.41	F1
NP3.2-6		3.2	134	5.28	35	1.38	61	2.4	67	2.64	0.71	1.57	F1
NP4-6		4	70	2.76	47	1.85	101	3.98	107	4.21	0.72	1.65	T1
NP4-6A		4	70	2.76	47	1.85	101	3.98	107	4.21	0.72	1.65	/
NP4.5-6		4.5	70	2.76	47	1.85	101	3.98	107	4.21	0.76	1.67	T1
NP5-6		5	67	2.64	67	2.64	96	3.78	109	4.29	0.82	1.81	Spring
NP7-6		7	151	5.94	34	1.34	94	3.7	100	3.94	1.15	2.53	F1
NP8.5-6		8.5	98	3.86	56	2.2	117	4.61	117	4.61	1.6	3.53	F1
NP10-6		10	151	5.94	50	1.97	94	3.7	100	3.94	1.75	3.85	F1
NP12-6		12	151	5.94	50	1.97	94	3.7	100	3.94	1.85	4.05	F1
NP16-6		16	108	4.25	71	2.8	140	5.51	140	5.51	2.55	5.6	Female Plug
NP20-6		20	157	6.18	83	3.27	125	4.92	125	4.92	3.3	7.28	L2
NP0.8-12		12	0.8	96	3.78	25	0.98	62	2.44	62	2.44	0.34	0.75

NP1.2-12	12	1.2	97	3.82	43	1.69	52	2.05	58	2.28	0.58	1.27	T1
NP2-12		2.0	178	7.01	35	1.38	61	2.4	67	2.64	0.82	1.8	F1
NP2-12A		2.0	144	5.67	24	0.94	65	2.56	65	2.56	0.7	1.54	/
NP2.3-12		2.3	182	7.17	24	0.94	61	2.4	61	2.4	0.9	1.98	T23
NP2.6-12		2.6	70	2.76	48	1.89	98	3.86	103	4.06	0.9	1.98	F1
NP2.6-12A		2.6	104	4.09	48	1.89	70	2.76	70	2.76	0.93	2.05	/
NP2.8-12		2.8	66	2.6	66	2.6	97	3.82	103	4.06	1.25	2.8	F1
NP3.5-12		3.5	134	5.28	67	2.64	61	2.4	67	2.64	1.38	3.03	F1
NP3.5-12A		3.5	178	7.01	35	1.38	76	2.99	84	3.31	1.5	3.3	F1
NP4-12		4	90	3.54	70	2.76	101	3.98	107	4.21	1.45	3.2	F1
NP4.5-12		4.5	90	3.54	70	2.76	101	3.98	107	4.21	1.6	3.52	F1
NP4.5-12RT		4.5	140	5.51	48	1.89	102	4.02	103	4.06	1.75	3.9	F2+/F1-
NP7-12S		6.8	151	5.94	65	2.56	95	3.74	101	3.98	2	4.4	F1/F2
NP7-12		7	151	5.94	65	2.56	95	3.74	101	3.98	2.15	4.75	F1/F2
NP7-12RT		7	140	5.52	48	1.89	127	5	127	5	2.35	7.15	F2+/F1-
NP7.5-12		7.5	151	5.94	65	2.56	95	3.74	101	3.98	2.35	5.17	F1/F2
NP9-12		9	151	5.94	65	2.56	95	3.74	101	3.98	2.45	4.9	F1/F2
NP9-12A		9	151	5.94	65	2.56	110	4.56	116	4.56	3.2	7.16	F1/F2
NP10-12	10	151	5.94	98	3.86	95	3.74	101	3.98	3.3	2.3	F1/F2	
NP12-12	12	151	5.94	98	3.86	95	3.74	101	3.98	3.5	7.7	F1/F2	
NP18-12	18	181	7.13	77	3.03	167	6.57	167	6.57	5.4	11.9	T3	

Midium Type (Capacity from 24Ah to 200Ah)

Type	Nom Volt	Rated Capacity	Length		Width		Height		Total height		Approx. Weight		Terminal Type
	(V)		(Ah)	mm	in	mm	in	mm	in	mm	in	Kg	
NP42-6	6	42	162	6.38	88	3.46	163	6.42	170	6.69	6.2	13.67	F2
NP60-6		60	184	7.24	112	4.41	188.5	7.42	212	8.31	9.7	21.39	T2
NP100-6		100	194	7.64	170	6.69	204	8.03	210	8.27	18.5	40.78	T2
NP100-6A		100	281	11.06	128	5.04	189	7.44	204	8.03	18.8	41.45	T2
NP120-6		120	195	7.67	170	6.69	207	8.14	210	8.26	17	37.4	T5
NP150-6		150	260	10.24	180	7.09	247	9.65	251	9.88	21	42	T5
NP160-6		160	298	11.73	172	6.77	227	8.94	231	9.09	27.0	59.5	T2
NP180-6		180	306	12.05	169	6.65	220	8.66	226	8.9	28.0	61.7	T16
NP24-12	12	24	166	6.5	128	4.92	175	6.89	182	7.17	8.1	17.8	L6/T2
NP26-12		26	166	6.54	175	6.89	125	4.92	125	4.92	8.2	17.9	L2/T3
NP33-12		33	195	7.68	130	5.12	159	6.26	172	6.77	10.5	23.1	L7/T3
NP40-12		40	197	7.76	165	6.5	174	6.69	174	6.69	12.5	25	L6/T2
NP45-12		45	197	7.76	165	6.5	174	6.69	174	6.69	13.5	29.7	L4/T2
NP50-12		50	229	9.02	138	5.43	208	8.19	213	8.39	17.5	35	T3
NP55-12F		55	277	10.9	106	4.17	222	8.74	222	8.74	19	41.9	T46
NP65-12		65	350	13.8	167	6.57	178	7.05	178	7.05	20.5	45.1	L9/L4/T3
NP70-12		70	260	10.2	169	6.7	211	8.3	215	8.5	22.5	49.8	L10/T3
NP80-12		80	260	10.2	169	6.7	211	8.3	215	8.5	26.5	58.3	L10/T3
NP90-12		90	307	12.05	169	6.7	211	8.3	227	8.9	27.5	60.5	L10/T5
NP100-12		100	331	13.03	174	6.89	214	8.5	240	9.45	30	66	L15/T4

NP120-12	120	331	13.03	174	6.89	214	8.5	240	9.45	32	71	L15/T5
NP150-12	150	485	19.1	171	6.77	241	9.45	241	9.45	42	92.5	L13/T5
NP160-12	160	532	209.4	206	8.1	216	8.5	221	8.7	47	103.4	L13/T4
NP180-12	180	522	20.6	240	9.37	219	8.58	244	9.45	53	116.8	L14/T5
NP200-12	200	522	20.6	240	9.37	219	8.58	244	9.45	59	129.8	L14/T5
NP250-12	250	520	20.5	268	10.5	220	8.66	241	9.49	70	154	L14/T5

Macro Type (Capacity from 50Ah to 200Ah)

Type	Nom Volt	Rated Capacity (Ah)	Length		Width		Height		Total height		Approx. Weight		Terminal Type
	(V)		mm	in	mm	in	mm	in	mm	in	Kg	Pound	
NP50-2	2	50	160	6.3	49	1.93	166	6.54	176	6.93	3.1	6.8	L10/T5
NP100-2		100	171	6.73	72	2.8	205	8.15	230	9.05	6	13.2	L10/T5
NP150-2		150	171	6.73	102	4.02	205	8.15	230	9.05	9	19.8	T5
NP200-2		200	171	6.81	111	4.37	330	13	367	14.5	13	28.6	T5
NP300-2		300	171	6.73	151	5.94	330	13	367	14.5	19	41.8	T5
NP400-2		400	210	8.27	176	6.93	330	13	367	14.5	25.5	56.7	T5
NP500-2		500	241	9.49	172	6.89	330	13	367	14.5	31	68.2	T5
NP600-2		600	302	11.9	175	6.89	330	13	367	14.5	38	83.6	T5
NP800-2		800	410	16.1	175	6.89	330	13	367	14.5	51	112.5	T5
NP1000-2		1000	475	18.7	175	6.89	330	13	367	14.5	61	134.2	T5
NP1500-2		1500	400	15.7	350	13.8	345	13.6	378	14.94	100	220	T5
NP2000-2		2000	491	19.3	350	13.8	345	13.6	369	14.5	130	286	T5
NP3000-2		3000	710	28	350	13.8	345	13.6	369	14.5	198	436	T5

