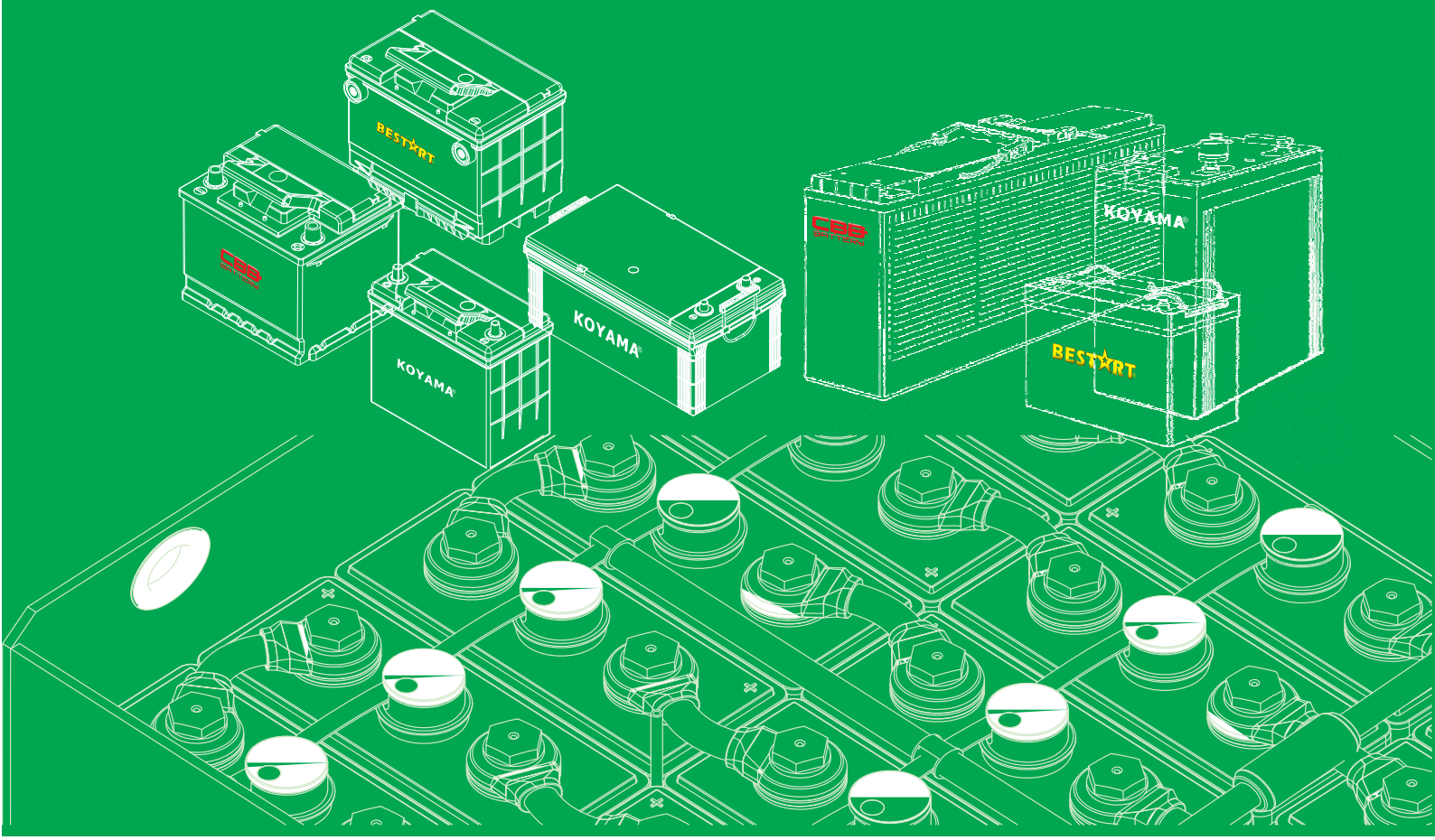
KOYAMA®

POWER YOUR LIFE

LEAD ACID BATTERIES
SPECIFICATION & FEATURE



NP Series-VRLA AGM Battery

NP series valve regulated lead acid batteries are valve regulated lead acid battery with AGM (Absorbent Glass Mat) technology and for general application purpose, such as UPS, telecom, and electrical utilities.



Features

- Sealed construction, no electrolyte leakage from the terminals or the case of any battery, efficient operation in any orientation.
- Maintenance free operation, no need to add water.
- Low self discharge, the self discharge rate is below 3% per month.
- Special lead calcium alloy, good corrosion resistance and high recovery capacity.
- FAA and IATA approved as non-hazardous.

Specifications

- **Nominal Voltage:** 4 & 6 & 12volts
- **Design Life:** 22Ah and down: 4-6 years @25℃
  24Ah and up: 6-8 years @25℃
- **Operating Temperature:** -15℃ to 50 ℃
- **Plates:** Flat pasted
- **Separator:** AGM (Absorbent Glass Mat)
- **Case and Cover:** ABS(V0 on request)
- **Charge Voltage:** Float use: 2.25-2.30 VPC@25℃
  Cycle use:2.40-2.49VPC@25℃
  Max. Charge current: 0.25C20

Applications

A list of some of the more common applications for standby or principal power is given below:

- Alarm Systems
- Cable Television
- Communications Equipment
- Computers
- Control Equipment
- Electronic Cash Registers
- Electronic Test Equipment
- Emergency Lighting Systems
- Fire & Security Systems
- Geophysical Equipment
- Marine Equipment
- Medical Equipment
- Microprocessor Based Office machines
- Portable Cine & Video Lights
- Power Tools
- Telecommunication Systems
- Television & Video Recorders
- Toys
- Uninterruptible Power Supplies
- Vending Machines



VRLA AGM Battery Specification

Model No	Rated Voltage (V)	Capacity (Ah)	Dimension								Weight		Terminal Type
			Length		Width		Height		Total Height		kg	pound	
			mm	inch	mm	inch	mm	inch	mm	inch			
NP4-4	4	4/20HR	47	1.85	47	1.85	101	3.98	107	4.21	0.5	1.1	F1
NP1.3-6	6	1.3/20HR	97	3.82	24	0.94	52	2.05	58	2.28	0.31	0.68	F1
NP3.3-6	6	3.3/20HR	134	5.28	34	1.34	60	2.36	66	2.60	0.59	1.30	F1
NP3.6-6	6	3.6/20HR	70	2.76	47	1.85	101	3.98	107	4.21	0.65	1.43	F1
NP4-6	6	4/20HR	70	2.76	47	1.85	101	3.98	107	4.21	0.68	1.50	F1
NP4-6C	6	4/20HR	70	2.76	47	1.85	101	3.98	107	4.21	0.68	1.50	CUT
NP4.5-6	6	4.5/20HR	70	2.76	47	1.85	101	3.98	107	4.21	0.75	1.65	F1
NP4.5-6C	6	4.5/20HR	70	2.76	47	1.85	101	3.98	107	4.21	0.75	1.65	CUT
NP5-6	6	5/20HR	70	2.76	47	1.85	101	3.98	107	4.21	0.8	1.76	F1
NP5-6Y	6	5/20HR	70	2.76	47	1.85	101	3.98	107	4.21	0.75	1.65	TH
NP7-6	6	7/20HR	151	5.94	34	1.34	95	3.74	101	3.98	1.08	2.38	F1
NP8-6	6	8/20HR	151	5.94	34	1.34	95	3.74	101	3.98	1.16	2.55	F1
NP9-6	6	9/20HR	151	5.94	34	1.34	95	3.74	101	3.98	1.34	2.95	F1
NP10-6	6	10/20HR	151	5.94	50	1.97	94	3.70	100	3.94	1.63	3.59	F1/F2
NP12-6	6	12/20HR	151	5.94	50	1.97	94	3.70	100	3.94	1.72	3.78	F1/F2
NP130-6	6	130/10HR	260	10.24	180	7.09	246	9.69	252	9.92	20.5	45.10	T5
NP180-6-A	6	180/10HR	260	10.24	180	7.09	246	9.69	252	9.92	27.5	60.50	T5
NP180-6-B	6	180/10HR	306	12.05	168	6.61	220	8.66	226	8.90	26	57.20	T5
NP200-6-A	6	200/10HR	260	10.24	180	7.09	246	9.69	252	9.92	29.5	64.90	T5
NP200-6-B	6	200/10HR	323	12.72	178	7.01	226	8.90	230	9.06	29.5	64.90	T5
NP0.8-12	12	0.8/20HR	97	3.82	25	0.98	63	2.48	62	2.44	0.34	0.75	C&B
NP1.3-12	12	1.3/20HR	97	3.82	43	1.69	52	2.05	58	2.28	0.51	1.12	F1
NP2-12	12	2/20HR	178	7.01	35	1.38	61	2.40	67	2.64	0.89	1.96	F1
NP3.3-12	12	3.3/20HR	134	5.28	67	2.64	61	2.40	67	2.64	1.23	2.71	F1
NP4-12	12	4/20HR	90	3.54	70	2.76	101	3.98	107	4.21	1.35	2.97	F1
NP4.5-12	12	4.5/20HR	90	3.54	70	2.76	101	3.98	107	4.21	1.48	3.26	F1
NP5-12	12	5/20HR	90	3.54	70	2.76	101	3.98	107	4.21	1.6	3.52	F1
NP5.5-12	12	5.5/20HR	151	5.94	65	2.56	94	3.70	100	3.94	1.95	4.29	F1/F2
NP6.5-12	12	6.5/20HR	151	5.94	65	2.56	94	3.70	100	3.94	2.01	4.42	F1/F2
NP7-12	12	7/20HR	151	5.94	65	2.56	94	3.70	100	3.94	2.06	4.53	F1/F2
NP7.2-12	12	7.2/20HR	151	5.94	65	2.56	94	3.70	100	3.94	2.15	4.73	F1/F2
NP7.5-12	12	7.5/20HR	151	5.94	65	2.56	94	3.70	100	3.94	2.2	4.84	F1/F2
NP9-12	12	9/20HR	151	5.94	65	2.56	94	3.70	100	3.94	2.45	5.39	F2
NP10-12	12	10/20HR	152	5.98	99	3.90	96	3.78	102	4.02	3.2	7.04	F2
NP12-12	12	12/20HR	152	5.98	99	3.90	96	3.78	102	4.02	3.5	7.70	F2
NP15-12	12	15/20HR	152	5.98	99	3.90	96	3.78	102	4.02	4	8.80	F2
NP17-12	12	17/20HR	181	7.13	77	3.03	167	6.57	167	6.57	5.2	11.44	L1
NP18-12	12	18/20HR	181	7.13	77	3.03	167	6.57	167	6.57	5.5	12.10	L1
NP20-12	12	20/20HR	181	7.13	77	3.03	167	6.57	167	6.57	6	13.20	L1
NP22-12	12	22/20HR	181	7.13	77	3.03	167	6.57	167	6.57	6.5	14.30	L1

VRLA AGM Battery Specification

Model No	Rated Voltage (V)	Capacity (Ah)	Dimension								Weight		Terminal Type
			Length		Width		Height		Total Height		kg	pound	
			mm	inch	mm	inch	mm	inch	mm	inch			
NP24-12	12	24/10HR	165	6.50	126	4.96	174	6.85	174	6.85	7.7	16.94	T2
NP26-12	12	26/10HR	166	6.54	175	6.89	126	4.96	126	4.96	8.3	18.26	T2
NP28-12	12	28/10HR	166	6.54	175	6.89	126	4.96	126	4.96	8.4	18.48	T2
NP33-12	12	33/10HR	196	7.72	130	5.12	155	6.10	167	6.57	10	22.00	T3
NP35-12	12	35/10HR	196	7.72	130	5.12	155	6.10	167	6.57	10.5	23.10	T3
NP40-12	12	40/10HR	197	7.76	166	6.54	174	6.85	174	6.85	12.3	27.06	T2
NP42-12	12	42/10HR	198	7.80	166	6.54	174	6.85	174	6.85	12.9	28.38	T2
NP45-12	12	45/10HR	198	7.80	166	6.54	174	6.85	174	6.85	13.1	28.82	T2
NP50-12A	12	50/10HR	258	10.16	134	5.28	200	7.87	200	7.87	15.5	34.10	L8
NP50-12B	12	50/10HR	229	9.02	138	5.43	208	8.19	212	8.35	15.8	34.76	T3
NP55-12	12	55/10HR	229	9.02	138	5.43	208	8.19	226	8.90	16.3	35.86	T3
NP60-12	12	60/10HR	350	13.78	167	6.57	178	7.01	178	7.01	17.3	38.06	T3
NP65-12	12	65/10HR	350	13.78	167	6.57	178	7.01	178	7.01	20.2	44.44	T3
NP70-12	12	70/10HR	350	13.78	167	6.57	178	7.01	178	7.01	21.3	46.86	T3
NP70-12B	12	70/10HR	260	10.24	169	6.65	211	8.31	215	8.46	21.7	47.74	T3
NP75-12	12	75/10HR	260	10.24	169	6.65	211	8.31	215	8.46	22	48.40	T3
NP80-12	12	80/10HR	260	10.24	169	6.65	211	8.31	231	9.09	23.3	51.26	T3
NP85-12	12	85/10HR	331	13.03	174	6.85	214	8.43	240	9.45	24.8	54.56	T4
NP90-12	12	90/10HR	307	12.09	169	6.65	211	8.31	227	8.94	26.5	58.30	T3
NP100-12	12	100/20HR	331	13.03	174	6.85	214	8.43	219	8.62	27.8	61.16	T4
NP100-12B	12	100/10HR	328	12.91	172	6.77	217	8.54	222	8.74	29	63.80	T4
NP105-12B	12	105/10HR	328	12.91	172	6.77	217	8.54	222	8.74	29.5	64.90	T4
NP120-12	12	120/10HR	407	16.02	174	6.85	210	8.27	233	9.17	33	72.60	T5
NP120-12B	12	120/20HR	331	13.03	174	6.85	214	8.43	219	8.62	30.5	67.10	T4
NP130-12	12	130/20HR	407	16.02	174	6.85	210	8.27	233	9.17	34.2	75.24	T5
NP135-12	12	135/20HR	484	19.06	171	6.73	241	9.49	241	9.49	38	83.60	T4
NP145-12	12	145/20HR	532	20.94	206	8.11	212	8.35	217	8.54	41.4	91.08	T4
NP150-12	12	150/20HR	484	19.06	171	6.73	241	9.49	241	9.49	41	90.20	T4
NP160-12	12	160/10HR	532	20.94	206	8.11	216	8.50	240	9.45	48.3	106.26	T4
NP180-12	12	180/20HR	532	20.94	206	8.11	216	8.50	221	8.70	52.2	114.84	T4
NP200-12	12	200/20HR	522	20.55	240	9.45	219	8.62	244	9.61	55.6	122.32	T5
NP220-12	12	220/20HR	522	20.55	240	9.45	219	8.62	244	9.61	58	127.60	T5
NP240-12	12	240/20HR	520	20.47	269	10.59	203	7.99	207	8.15	68	149.60	T5
NP250-12	12	250/10HR	520	20.47	268	10.55	220	8.66	224	8.82	70	154.00	T5