

# HD Series

## DEEP CYCLE GEL BATTERIES

### HD Series Deep Cycle Gel Batteries

HD Series Deep Cycle Gel Battery with 15-20 years floating design life, 30% more than standard Gel battery, and 50% more than Lead Acid AGM Battery. It is ideal for standby or frequent cyclic discharge applications under extreme environments. By using strong grids, high purity lead and patented Gel electrolyte, the HD series offers excellent recovery after deep discharge under frequent cyclic discharge use, and deliver 500 cycles at 100% depth of discharge (DOD), 1500-1600 cycles @ 50% DOD, more than 2000 cycles @ 30% DOD. Suitable for solar, CATV, marine, RV and deep discharge UPS, communication, and telecommunication, etc.

- Voltage: 2V, 6V, 12V
- Capacity: 2V 200-3000Ah; 6V 200-420Ah; 12V 24-250Ah
- Designed floating service life: 15-20 years @ 25°C/77°F
- Wide operation temperature: -30°C ~ 60°C
- Brand: AMAXPOWER/OEM Brand
- ISO9001/14001/18001
- CE/UL/MSDS
- IEC61427/IEC60896-21/22

### Features

1. It uses deep cycle design, 4BS lead paste technology, unique corrosion-resistant grid alloy, high-quality nano silica gel electrolyte, it is the best choice for backup and frequent cycle discharge applications in extreme environments; Designed for use in HOT and COLD places.
2. It adopts super corrosion-resistant alloy and unique patented grid structure, so can improve the lead plates corrosion-resistant performance in high temperature, high purity lead-tin alloy, reduce battery self-discharge rate and increase battery service life.
3. Heat sealing technique instead of glue sealing to increase the tightness and stability of battery.

### Applications

Solar Energy System, CATV, Electric Powered Vehicles, Pumps, Golf Cars and Buggies, Tour bus, Sweeper, Floor cleaning machines, Wheel Chairs, Power Tools, Electric Powered Toys, Control System, Medical Equipments, UPS and Inverter systems, Solar and Wind, Servers, Telecom, Emergency and Security systems, Forklift, Marine and RV, Boat and so on.



## Technical Data

### Technical Data HD Series Deep Cycle Batteries

Model NO.	Voltage (V)	Capacity (Ah)	Approx Weight		Dimensions								Terminal type
			Kg	lbs	Length		Width		Height		Total Height		
					mm	inch	mm	inch	mm	inch	mm	inch	
HD2-200	2	200	13.4	29.54	172	6.80	111	4.37	329	12.96	365	14.37	T5
HD2-300	2	300	18.6	41.01	171	6.70	151	5.94	330	13	365	14.37	T5
HD2-400	2	400	26	57.32	211	8.30	176	6.93	330	13	366	14.41	T5
HD2-500	2	500	31	68.20	242	9.50	172	6.80	331	13	356	14	T5
HD2-600	2	600	38	83.60	301	11.90	175	6.89	331	13	356	14	T5
HD2-800	2	800	52	114.64	411	16.10	175	6.89	330	13	356	14	T5
HD2-1000	2	1000	62	136.69	475	18.70	175	6.89	330	12.99	356	14.02	T5
HD2-1200	2	1200	66	145.50	475	18.70	175	6.89	330	12.99	356	14.02	T5
HD2-1500	2	1500	97	213.85	401	15.80	351	13.80	344	13.50	369	14.50	T5
HD2-2000	2	2000	130	286.60	491	19.30	351	13.80	344	13.50	369	14.50	T5
HD2-2500	2	2500	181	399.04	696	27.40	340	13.80	344	13.50	342	14.50	T5
HD2-3000	2	3000	191	421.08	712	28	353	13.90	343	13.50	369	14.50	T5
HD6-200	6	200	30.1	66.36	306	12.05	168	6.61	220	8.66	226	8.90	T5
HD6-210	6	210	29.6	65.26	260	10.24	180	7.09	247	9.72	252	9.92	T5
HD6-220	6	220	31.6	69.67	306	12.05	168	6.61	220	8.66	226	8.90	T5
HD6-225	6	225	30.6	67.46	243	9.57	187	7.36	275	10.83	275	10.83	T5
HD6-250	6	250	34.4	75.84	260	10.24	180	7.09	265	10.43	272	10.71	T5
HD6-310	6	310	46.2	101.85	295	11.61	178	7.01	354	13.94	350	13.78	T5
HD6-330	6	330	46.8	103.18	295	11.61	178	7.01	354	13.94	350	13.78	T5
HD6-380	6	380	55.4	122.14	295	11.61	178	7.01	404	15.91	408	16.06	T5
HD6-420	6	420	57	125.66	295	11.61	178	7.01	404	15.91	408	16.06	T5
HD12-24	12	24	7.8	17.20	166	6.54	126	4.96	175	6.89	175	6.89	T2
HD12-26	12	26	8.4	18.50	166	6.54	175	6.89	126	4.96	126	4.96	T2
HD12-33	12	33	10.1	22.27	196	7.70	131	5.16	155	6.10	168	6.61	T2
HD12-38	12	38	12.4	27.34	197	7.73	166	6.54	174	6.85	174	6.85	T2
HD12-40	12	40	13	29.70	197	7.73	166	6.54	174	6.85	174	6.85	T2
HD12-45	12	45	13.5	29.76	197	7.73	166	6.54	174	6.85	174	6.85	T2
HD12-50	12	50	15.9	35.05	229	9.02	138	5.43	211	8.31	216	8.50	T3
HD12-55	12	55	16.4	36.16	229	9.02	138	5.43	211	8.31	216	8.50	T3
HD12-65	12	65	20.3	44.75	350	13.80	166	6.54	179	7.05	179	7.05	T3
HD12-70	12	70	21.8	48.06	260	10.20	169	6.65	211	8.30	215	8.46	T3
HD12-75	12	75	22.2	48.94	260	10.20	169	6.65	211	8.30	215	8.46	T3
HD12-80	12	80	23.4	51.50	260	10.20	169	6.65	211	8.30	215	8.46	T3
HD12-90	12	90	27	59.40	307	12.10	169	6.65	211	8.30	215	8.46	T3
HD12-100	12	100	30	66	407	16	174	6.85	209	8.23	233	9.17	T3
HD12-100A	12	100	31.1	68.42	331	13.03	173	6.81	213	8.39	219	8.62	T3
HD12-120	12	120	34	74.96	407	16	174	6.85	209	8.23	233	9.17	T5
HD12-135	12	135	41	90.20	341	13.43	173	6.81	283	11.14	287	11.30	T5
HD12-150	12	150	43.7	96.34	484	19.10	171	6.73	241	9.49	241	9.49	T4
HD12-180	12	180	55.5	122.36	522	20.60	240	9.45	216	8.50	223	8.78	T4
HD12-200	12	200	58.5	128.97	522	20.60	240	9.45	216	8.50	223	8.78	T4
HD12-230	12	230	61.5	135.58	520	20.50	268	10.55	220	8.65	224	8.82	T4
HD12-250	12	250	70.3	154.98	520	20.50	268	10.55	220	8.66	224	8.82	T4
HDFT12-55	12	55	16.6	36.60	277	10.91	106	4.17	222	8.74	222	8.74	T2
HDFT12-80	12	80	25.5	56.22	562	22.10	114	4.49	188	7.40	188	7.40	T4
HDFT12-100	12	100	30	66.14	507	19.96	110	4.33	228	8.98	228	8.98	T4
HDFT12-105	12	100	30.4	67.02	395	15.51	110	4.29	287	11.29	287	11.29	T4
HDFT12-110	12	110	30.8	67.90	395	15.51	110	4.29	287	11.29	287	11.29	T4
HDFT12-125	12	125	38	83.78	551	21.70	109	4.29	239	9.41	239	9.41	T5
HDFT12-150	12	150	44	97	551	21.70	109	4.29	288	11.34	288	11.34	T4
HDFT12-160	12	155	45	99.21	551	21.70	109	4.29	288	11.34	288	11.34	T4
HDFT12-180	12	180	54.2	119.49	546	21.50	124	4.88	325	12.79	325	12.79	T5
HDFT12-200	12	200	57.2	126.10	546	21.50	124	4.88	325	12.79	325	12.79	T5