

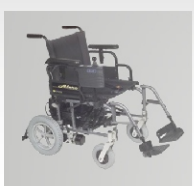


**Electric Vehicle Gel**

# HAZE

**POWER TO KEEP YOU ON THE MOVE**

**ELECTRIC VEHICLE applications are wide and varied with many durability & power demands placed firmly on the batteries shoulders.**



**HAZE ELECTRIC VEHICLE GEL always delivers when you need it, whatever your DC requirement in extreme situations.**



**Tough ABS case with INSERT TERMINALS as standard, smaller sizes with FASTON.**



**Gel Technology delivers cranking amps, general power and long/deep discharges without the need for immediate recharge. EXTRA LONG CYCLE LIFE and resistance to mechanical stress and the elements all in one battery.**



**HAZE ELECTRIC VEHICLE GEL delivers maximum capacity within twenty cycles and keeps delivering long after the others are on the scrap heap. HAZE R&D has resulted in SPECIAL CHEMICAL and PROCESS technology to ensure consistency and performance.**



The Quality & Management system governing the manufacture of this product is ISO 9001:2000 and ISO 14001:2004 certified.

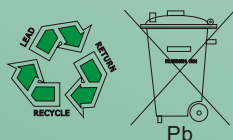


**Important Note:** The capacities and runtimes quoted below are applicable to a battery which has achieved full capacity. Full capacity is achieved after approx. 20 cycles. Initial capacity will be approx. 15 - 20% lower.

Battery Model	Dimensions (mm) & weight (Kg)				Cold Cranking Amps			Volts	Thread size mm	Reserve Capacity - Minutes Discharged					Capacity - Ampere Hour*						
					20°C (68°F)	0°C (32°F)	-18°C (0°F)			75 Amps	25 Amps	20 Amps	15 Amps	8 Amps	100 Hr	48 Hr	20 Hr	10 Hr	5 Hr	3 Hr	1 Hr
	Length	Width	Height	Weight																	
HZY-EV6-7.5	149	34	94	1.3	-	-	-	6	NA	-	-	-	-	-	8.6	8.1	7.5	6.9	6.1	5.6	4.6
HZY-EV6-10	151	50	95	1.8	-	-	-	6	NA	-	-	-	-	-	11.6	10.9	10.1	9.2	8.2	7.6	6.2
HZY-EV6-12	151	50	95	1.9	-	-	-	6	NA	-	-	-	-	-	13.8	13.0	12.0	11.0	9.8	9.0	7.4
HZY-EV12-7.5	150	63	95	2.5	-	-	-	12	NA	-	-	-	-	-	8.6	8.1	7.5	6.9	6.1	5.6	4.6
HZY-EV12-12	152	99	96	3.8	-	-	-	12	NA	-	-	-	-	-	13.8	13.0	12.0	11.0	9.8	9.0	7.4
HZY-EV12-18	181	76	167	5.4	204	137	84	12	5	-	-	26	45	93	19.6	18.4	17.0	15.6	13.8	12.8	10.5
HZY-EV12-26	168	178	124	8.8	301	217	142	12	5	-	23	41	66	144	28.8	27.0	25.0	22.9	20.4	18.8	15.5
HZY-EV12-33	196	131	160	10.2	350	260	172	12	6	6.9	30	53	77	173	34.2	32.3	29.3	28.0	24.7	23.3	18.6
HZY-EV12-44	198	167	157	13.5	450	337	220	12	6	12	55	80	115	242	45.3	41.6	39.0	37.0	33.1	29.4	24.3
HZY-EV12-55	229	138	213	16.8	569	444	294	12	6	19	86	120	168	351	61.0	57.2	53.0	48.5	43.1	39.9	32.8
HZY-EV12-60	260	168	180	21.5	686	563	420	12	6	28	115	155	218	458	72.0	68.0	64.0	60.0	55.0	50.0	38.0
HZY-EV12-70J	349	168	175	22.6	663	530	367	12	6	27	117	159	218	460	78.2	73.4	68.0	62.2	55.4	51.1	42.1
HZY-EV12-65	272	165	188	21.5	708	573	400	12	6	32	135	180	251	519	86.3	81.0	75.0	68.6	61.1	56.4	46.4
HZY-EV12-80	260	168	211	24.0	740	600	425	12	8	33	144	195	270	560	90.7	85.4	80.0	72.8	66.1	60.6	49.9
HZY-EV12-100	306	168	211	28.3	820	715	520	12	8	45	174	230	324	672	110	104	96.0	87.8	78.1	72.2	59.4
HZY-EV12-110	329	173	209	30.9	854	766	560	12	8	49	188	253	363	750	118	112	104	95.8	85.9	78.7	64.4
HZY-EV12-120	409	177	225	34.5	917	835	650	12	8	61	225	288	414	864	138	130	120	110	97.7	90.2	74.3
HZY-EV12-135	342	173	282	41.9	998	906	762	12	8	84	276	368	519	1064	167	157	145	133	118	109	89.8
HZY-EV12-150	483	170	242	45.0	1011	919	784	12	8	88	288	384	540	1110	173	162	150	137	122	113	92.9
HZY-EV12-160	530	209	214	54.9	1028	938	811	12	8	95	318	414	582	1200	184	173	160	146	130	120	99.0
HZY-EV12-200	522	242	220	63.3	1094	988	909	12	8	142	438	564	796	1654	239	227	214	196	171	161	131
HZY-EV12-230	521	270	205	74.5	1117	1007	940	12	8	167	528	678	915	1949	282	265	245	224	199	184	152
HZY-EV6-110	193	168	204	17.9	880	789	577	6	8	53	209	268	372	793	129	121	112	102	91.2	84.2	69.3
HZY-EV6-160	298	171	226	26.9	1059	966	835	6	8	111	342	444	624	1290	196	184	170	156	138	128	105
HZY-EV6-180	260	181	246	28.9	1071	972	868	6	8	120	366	474	666	1398	207	194	180	165	147	135	111
HZY-EV6-180-2	260	181	246	28.9	1090	980	890	6	8	138	420	555	741	1527	224	211	195	184	167	141	115
HZY-EV6-200	323	178	226	31.1	1083	978	900	6	8	133	402	516	720	1524	223	210	194	178	158	146	120
HZY-EV6-225	244	188	275	31.9	1116	1007	927	6	8	147	462	602	828	1770	253	238	220	201	179	165	136
HZY-EV6-335	295	178	350	48.0	1650	1395	1228	6	8	210	780	960	1300	2530	370	340	320	300	280	250	180
HZY-EV8-160	260	182	298	36.4	1045	955	829	8	8	103	330	432	597	1176	181	170	157	144	128	118	97.2

**Battery Charging:** Haze recommend the following charging profile to optimise cycle and battery life. Charging Voltage (max) 2.41vpc Charging Current Max 20 Hour Ah / 5 e.g. HZY-EV12 100 = 94/5 = 18.8A. It is recommended that the charging voltage be switch to Float (2.27-2.3vpc) when the battery is fully charged. (The above parameters apply to 20-25 °C

**Cycle Life:** To ensure maximum cycle life it is recommended that the battery be fully recharged as soon as possible after use. Cycle life is very dependant on the depth of discharge (DOD). The following is a guide to the number of cycles expected. 100% DOD - 400 cycles, 75% DOD - 450 cycles, 50% DOD - 650 cycles.



Haze Battery Company keenly encourages environmental awareness; PLEASE follow guidelines for the recycling /disposal of lead.

230510



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