

Primary Energy Storage Market	CAGR	2023	2024	2025	2026	2027	2028	2029	2030
Gigawatt Hours	19.60%	715.210	855.391	1,023.048	1,223.565	1,463.384	1,750.207	2,093.248	2,503.524
Market Value Aggregate Claim (\$B)	8.40%	246.540	266.820	288.970	313.190	339.690	368.700	400.480	435.320
Total Value As Sum of Parts (\$B)	9.56%		179.064	194.379	211.764	231.560	254.163	280.044	309.753
Cost Per kWh		344.710	209.335	190.000	173.072	158.236	145.219	133.785	123.727
Total Market Available									
EV Battery	22.70%		80.997	99.384	121.944	149.625	183.590	225.265	276.400
EV Charger Stations	31.02%		43.877	57.488	75.320	98.684	129.296	169.404	221.953
Conventional Vehicle Batteries	3.10%		91.070	93.894	96.804	99.805	102.899	106.089	109.378
Micro-Grid	18.60%		37.837	44.875	53.222	63.121	74.862	88.786	105.300
ESS	9.00%		24.606	26.820	29.234	31.865	34.733	37.859	41.266
Home Solar Battery	16.50%		10.423	12.143	14.147	16.481	19.201	22.369	26.060
E-Motorcycle Battery	6.50%		8.866	9.443	10.056	10.710	11.406	12.148	12.937
VPP	17.55%		4.652	5.469	6.428	7.556	8.882	10.441	12.273
LSV Battery	8.20%		0.912	0.987	1.068	1.155	1.250	1.353	1.463
TOTAL PRIMARY MARKETS	9.57%		178.367	193.630	210.959	230.694	253.233	279.043	308.677
MISC Other Markets									
Cell Phone	6.30%		26.786	28.473	30.267	32.174	34.201	36.356	38.646
Power Tool Battery	9.60%		3.066	3.360	3.683	4.036	4.424	4.848	5.314
UPS	10.60%		0.986	1.091	1.206	1.334	1.476	1.632	1.805
Aircraft Batteries	7.53%		0.696	0.749	0.805	0.866	0.931	1.001	1.076
TOTAL MISC	7.53%		0.696	0.749	0.805	0.866	0.931	1.001	1.076
GRAND TOTAL MARKETS	9.56%		179.064	194.379	211.764	231.560	254.163	280.044	309.753
OVERALL MARKET PENETRATION									
Our Market Penetration			2.689	4.068	6.258	9.795	15.603	25.296	41.725
% Our Market Penetration			1.50%	2.09%	2.96%	4.23%	6.14%	9.03%	13.47%
Cummulative			2.689	6.757	13.015	22.810	38.413	63.709	105.434
Estimate Pre-Tax Earnings	5.00%		0.134	0.203	0.313	0.490	0.780	1.265	2.086
Cummulative			0.134	0.338	0.651	1.140	1.921	3.185	5.272
MARKET PENETRATION BY TYPE									
EV Battery			0.202	0.398	0.780	1.532	3.008	5.905	11.593
EV Charger Stations			0.439	0.747	1.273	2.168	3.693	6.290	10.713
Conventional Vehicle Batteries			0.228	0.376	0.620	1.022	1.686	2.781	4.588
Micro-Grid			0.378	0.583	0.899	1.387	2.138	3.297	5.083
ESS			0.492	0.697	0.988	1.400	1.984	2.811	3.984
Home Solar Battery			0.313	0.437	0.611	0.854	1.194	1.670	2.334
E-Motorcycle Battery			0.266	0.326	0.399	0.489	0.598	0.733	0.898
VPP			0.140	0.189	0.255	0.345	0.466	0.630	0.852
LSV Battery			0.046	0.057	0.071	0.088	0.109	0.136	0.169
TOTAL			2.503	3.809	5.896	9.285	14.877	24.253	40.213
Cummulative			2.503	6.313	12.209	21.494	36.371	60.624	100.837
Cell Phone			0.134	0.185	0.256	0.353	0.488	0.675	0.933
Power Tool Battery			0.015	0.025	0.041	0.068	0.112	0.184	0.303
UPS			0.030	0.036	0.044	0.053	0.065	0.079	0.096
Aircraft Batteries			0.007	0.012	0.021	0.035	0.061	0.105	0.181
TOTAL			0.186	0.258	0.362	0.510	0.726	1.043	1.512
Cummulative			0.186	0.444	0.806	1.316	2.042	3.085	4.597
	CAGR								
GRAND TOTAL Market Penetration	57.93%		2.689	4.068	6.258	9.795	15.603	25.296	41.725
Cummulative			2.689	6.757	13.015	22.810	38.413	63.709	105.434