

2025年3月期 第2四半期 決算補足資料  
FY2024 2Q Financial Result Supplementary Materials

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注：

Notes:

- 1.四捨五入により、決算補足資料は「決算短信」「半期報告書」などと異なる場合がございます。  
These reference data may differ from "Earnings Report" or "Semi-Annual Report" due to rounding off.
- 2.本資料は、当社グループの業績等についての一般的な情報提供を目的とするものです。  
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- 4.本資料は2024年12月5日に作成したものです。  
This material was produced on December 5, 2024.





(億円、100 million yen)

地域別売上／Results by Region		FY17	FY18	FY19	FY20	FY21	FY22										FY23										FY24					
		実績 Actual	実績 Actual	実績 Actual	実績 Actual	実績 Actual	実績 Actual										実績 Actual										実績 Actual		予想 Forecast			
		Full	Full	Full	Full	Full	1Q	2Q	1st H	3Q	3Q total	4Q	2nd H	Full	1Q	2Q	1st H	3Q	3Q total	4Q	2nd H	Full	1Q	2Q	1st H	As of May 10		As of Nov 6				
																										1st H	Full	Full	Full			
日本	Japan	2,060	2,091	2,129	2,054	2,275	461	550	1,011	677	1,688	763	1,441	2,451	554	624	1,177	826	2,003	812	1,637	2,815	558	680	1,238	-	-	-				
アジア	Asia	1,104	1,115	1,032	959	1,054	328	379	708	390	1,097	337	727	1,434	320	400	720	379	1,100	333	712	1,433	332	313	645	-	-	-				
欧州	Europe	-	-	-	-	512	164	159	324	188	511	180	367	691	169	186	355	192	547	208	400	754	206	213	419	-	-	-				
北米	North America	-	-	-	-	156	54	53	107	51	158	50	101	208	58	48	106	46	152	53	99	205	55	47	101	-	-	-				
その他	Other	283	290	246	278	325	106	97	203	92	295	98	189	393	104	106	210	104	314	109	213	423	125	116	241	-	-	-				
欧米	Europe and North America	662	635	548	574	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
売上高	Net sales	4,110	4,131	3,956	3,865	4,321	1,114	1,238	2,352	1,397	3,749	1,429	2,825	5,177	1,205	1,363	2,568	1,548	4,116	1,513	3,061	5,629	1,276	1,369	2,645	2,630	5,900	5,900				

※特殊電池およびその他セグメントに含まれる「その他の収益」は便宜上「日本」に含んでいます。

\*"Other revenues" in the Specialized Batteries and Others segment are included in "Japan" for convenience.

売上構成比	Composition of net sales	Full	Full	Full	Full	Full	1Q	2Q	1st H	3Q	3Q total	4Q	2nd H	Full	1Q	2Q	1st H	3Q	3Q total	4Q	2nd H	Full	1Q	2Q	1st H	1st H	Full	Full
日本	Japan	50.1%	50.6%	53.8%	53.1%	52.6%	41.4%	44.4%	43.0%	48.5%	45.0%	53.4%	51.0%	47.3%	45.9%	45.8%	45.8%	53.3%	48.7%	53.6%	53.5%	50.0%	43.8%	49.6%	46.8%	-	-	-
アジア	Asia	26.9%	27.0%	26.1%	24.8%	24.4%	29.5%	30.6%	30.1%	27.9%	29.3%	23.6%	25.7%	27.7%	26.6%	29.4%	28.1%	24.5%	26.7%	22.0%	23.3%	25.5%	26.0%	22.9%	24.4%	-	-	-
欧州	Europe	-	-	-	-	11.8%	14.8%	12.9%	13.8%	13.4%	13.6%	12.6%	13.0%	13.3%	14.0%	13.6%	13.8%	12.4%	13.3%	13.7%	13.1%	13.4%	16.2%	15.6%	15.9%	-	-	-
北米	North America	-	-	-	-	3.6%	4.8%	4.3%	4.5%	3.6%	4.2%	3.5%	3.6%	4.0%	4.8%	3.5%	4.1%	2.9%	3.7%	3.5%	3.2%	3.6%	4.3%	3.4%	3.8%	-	-	-
その他	Other	6.9%	7.0%	6.2%	7.2%	7.5%	9.5%	7.8%	8.6%	6.6%	7.9%	6.9%	6.7%	7.6%	8.6%	7.7%	8.2%	6.7%	7.6%	7.2%	7.0%	7.5%	9.8%	8.5%	9.1%	-	-	-
欧米	Europe and North America	16.1%	15.4%	13.9%	14.8%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

前年比	Year-on-year comparison	FY17/FY16	FY18/FY17	FY19/FY18	FY20/FY19	FY21/FY20	FY22/FY21										FY23/FY22										FY24/FY23					
		Full	Full	Full	Full	Full	1Q	2Q	1st H	3Q	3Q total	4Q	2nd H	Full	1Q	2Q	1st H	3Q	3Q total	4Q	2nd H	Full	1Q	2Q	1st H	1st H	Full	Full				
日本	欧米 Japan	117.1%	101.5%	101.8%	96.5%	110.7%	98.6%	105.0%	102.0%	106.3%	103.7%	118.0%	112.2%	107.8%	120.1%	113.4%	116.5%	121.9%	118.7%	106.3%	113.7%	114.8%	100.9%	109.0%	105.2%	-	-	-				
アジア	Asia	110.4%	101.0%	92.6%	92.9%	109.9%	136.0%	159.1%	147.5%	131.2%	141.3%	121.6%	126.6%	136.1%	97.6%	105.4%	101.8%	97.4%	100.2%	98.8%	98.0%	99.9%	103.5%	78.3%	89.5%	-	-	-				
欧州	Europe	-	-	-	-	-	130.2%	127.4%	128.8%	144.9%	134.3%	137.2%	141.0%	135.0%	102.6%	116.7%	109.5%	102.4%	106.9%	115.5%	108.8%	109.1%	122.2%	114.7%	118.3%	-	-	-				
北米	North America	-	-	-	-	-	152.0%	150.0%	151.0%	128.1%	142.8%	110.7%	118.8%	133.4%	107.8%	90.5%	99.2%	89.7%	96.2%	105.7%	97.7%	98.5%	94.2%	97.5%	95.7%	-	-	-				
その他	Other	114.7%	102.3%	85.0%	112.8%	116.9%	126.7%	129.7%	128.2%	118.8%	125.1%	109.7%	113.9%	120.9%	98.1%	108.6%	103.1%	113.8%	106.4%	111.0%	112.3%	107.6%	120.0%	110.2%	115.1%	-	-	-				
欧米	Europe and North America	112.5%	95.8%	86.4%	104.6%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
売上高	Net sales	114.3%	100.5%	95.8%	97.7%	111.8%	116.7%	124.2%	120.6%	118.3%	119.7%	120.1%	119.2%	119.8%	108.2%	110.1%	109.2%	110.8%	109.8%	105.9%	108.3%	108.7%	105.8%	100.5%	103.0%	102.4%	104.8%	104.8%				

地域別有形固定資産／Property, plant and equipment by Region		FY17	FY18	FY19	FY20	FY21	FY22										FY23										FY24					
		実績 Actual	実績 Actual	実績 Actual	実績 Actual	実績 Actual	実績 Actual										実績 Actual										実績 Actual		予想 Forecast			
		Full	Full	Full	Full	Full	1Q	2Q	1st H	3Q	3Q total	4Q	2nd H	Full	1Q	2Q	1st H	3Q	3Q total	4Q	2nd H	Full	1Q	2Q	1st H	As of May 10		As of Nov 6				
																										1st H	Full	Full	Full			
日本	Japan	893	880	860	888	990	-	-	-	-	-	-	-	-	1,036	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
中国	China	-	117	136	147	101	-	-	-	-	-	-	-	-	90	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
アジア	Asia	292	185	187	208	227	-	-	-	-	-	-	-	-	252	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
欧米	Europe and North America	24	42	64	66	70	-	-	-	-	-	-	-	-	232	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
その他	Other	19	19	31	37	42	-	-	-	-	-	-	-	-	40	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
有形固定資産	Property, plant and equipment	1,228	1,242	1,279	1,345	1,430	-	-	-	-	-	-	-	-	1,650	-	-	-	-	-	-	-	-	-	-	-	-	-	-			

※2009年度以前は資産です。

\*The figures for fiscal 2009 and earlier are assets.

(億円、100 million yen)

自動車電池（国内）事業/Automotive Batteries (Japan)		FY17	FY18	FY19	FY20	FY21	FY22								FY23								FY24					
		実績 Actual	実績 Actual	実績 Actual	実績 Actual	実績 Actual	実績 Actual								実績 Actual								実績 Actual		予想 Forecast			
		Full	Full	Full	Full	Full	1Q	2Q	1st H	3Q	3Q total	4Q	2nd H	Full	1Q	2Q	1st H	3Q	3Q total	4Q	2nd H	Full	1Q	2Q	1st H	As of May 10	As of Nov 6	
		Full	Full	Full	Full	Full	1Q	2Q	1st H	3Q	3Q total	4Q	2nd H	Full	1Q	2Q	1st H	3Q	3Q total	4Q	2nd H	Full	1Q	2Q	1st H	1st H	Full	Full
日本	Japan	-	-	-	-	810	176	199	375	254	628	246	499	874	195	214	410	278	687	251	529	939	208	227	435	-	-	-
アジア	Asia	-	-	-	-	5	1	1	2	1	3	1	2	4	1	0	1	0	1	1	1	2	0	0	1	-	-	-
欧州	Europe	-	-	-	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0	0	-	-	-
北米	North America	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
その他	Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
売上高	Net sales	892	915	881	836	815	177	200	377	255	631	247	501	878	196	215	411	278	689	252	530	940	208	227	436	-	1,000	1,000
営業利益	Operating profit	61	78	70	87	59	10	8	18	25	42	23	48	65	10	11	22	30	52	29	59	81	16	17	34	-	80	85
(営業利益率)	(Operating profit ratio)	6.9%	8.5%	7.9%	10.4%	7.2%	5.4%	4.0%	4.7%	9.7%	6.7%	9.4%	9.6%	7.5%	5.2%	5.3%	5.3%	10.9%	7.6%	11.4%	11.1%	8.6%	7.8%	7.6%	7.7%	-	8.0%	8.5%

※営業利益はのれん等償却前営業利益、営業利益率はのれん等償却前営業利益率です。

\*Operating income has been operating income before amortization of goodwill and the operating income ratio has been the operating income ratio before amortization of goodwill.

EBITDA	EBITDA	80	95	101	118	87	-	-	-	-	-	-	-	92	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(EBITDAマージン)	(EBITDA margin)	9.0%	10.4%	11.5%	14.1%	10.7%	-	-	-	-	-	-	-	10.5%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

※EBITDAは営業利益+減価償却費です。

\*EBITDA is operating income + depreciation.

セグメント資産	Segment assets	543	579	581	598	612	-	-	-	-	-	-	-	637	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
(セグメント資産利益率)	(ROA)	11.3%	13.4%	12.0%	14.5%	9.6%	-	-	-	-	-	-	-	10.3%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
減価償却費	Depreciation	19	18	32	31	29	-	-	-	-	-	-	-	26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
減損損失	Impairment loss	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
持分法適用会社への投資額	Investment in equity-method affiliates	10	11	11	13	13	-	-	-	-	-	-	-	14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
有形固定資産及び無形固定資産の増加額	Increase in property, plant and equipment and intangible assets	24	35	23	27	38	-	-	-	-	-	-	-	28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

※減価償却費は無形固定資産の償却費を含む値です。

\*Depreciation expenses include depreciation of intangible assets.

設備投資	Capital investment	24	36	22	25	38	-	-	9	-	-	-	19	28	-	-	13	-	-	-	19	32	-	-	11	-	35	35
研究開発費	Research and development expenses	26	22	24	19	18	-	-	-	-	-	-	-	19	-	-	-	-	-	-	-	20	-	-	-	-	-	-
(売上高研究開発費率)	(Ratio of R&D expenses to net sales)	1.0%	0.8%	1.0%	0.8%	0.7%	-	-	-	-	-	-	0.6%	-	-	-	-	-	-	-	0.6%	-	-	-	-	-	-	-

※自動車電池（国内）と（海外）の研究開発費は、FY17以降は合算で算出しています。

\*Research and development expenses in the "Automotive Batteries (Japan)" and "Automotive Batteries (Overseas)" segments have been totaled since fiscal 2017.

従業員数（人）	Number of employees	1,205	1,223	1,221	1,281	1,287	-	-	-	-	-	-	-	1,249	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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前年比	Year-on-year comparison	FY17/FY16	FY18/FY17	FY19/FY18	FY20/FY19	FY21/FY20	FY22/FY21								FY23/FY22								FY24/FY23					
		実績 Actual	実績 Actual	実績 Actual	実績 Actual	実績 Actual	実績 Actual								実績 Actual								実績 Actual		予想 Forecast			
		Full	Full	Full	Full	Full	1Q	2Q	1st H	3Q	3Q total	4Q	2nd H	Full	1Q	2Q	1st H	3Q	3Q total	4Q	2nd H	Full	1Q	2Q	1st H	As of May 10	As of Nov 6	
		Full	Full	Full	Full	Full	1Q	2Q	1st H	3Q	3Q total	4Q	2nd H	Full	1Q	2Q	1st H	3Q	3Q total	4Q	2nd H	Full	1Q	2Q	1st H	1st H	Full	Full
売上高	Net sales	132.0%	102.5%	96.3%	95.0%	97.4%	99.4%	114.6%	106.9%	107.9%	107.3%	108.9%	108.4%	107.7%	110.8%	107.5%	109.1%	109.1%	109.1%	102.1%	105.7%	107.1%	106.3%	105.8%	106.0%	-	106.3%	106.3%
営業利益	Operating profit	108.2%	126.4%	89.8%	124.3%	67.8%	94.6%	104.3%	98.8%	99.3%	99.1%	144.1%	116.9%	111.4%	107.3%	143.7%	123.8%	122.3%	122.9%	123.9%	123.1%	123.3%	158.6%	149.8%	154.0%	-	99.1%	105.3%

(億円、100 million yen)

自動車電池（海外）事業 / Automotive Batteries (Overseas)		FY17	FY18	FY19	FY20	FY21	FY22										FY23										FY24					
		実績 Actual	実績 Actual	実績 Actual	実績 Actual	実績 Actual	実績 Actual										実績 Actual										実績 Actual		予想 Forecast			
		Full	Full	Full	Full	Full	1Q	2Q	1st H	3Q	3Q total	4Q	2nd H	Full	1Q	2Q	1st H	3Q	3Q total	4Q	2nd H	Full	1Q	2Q	1st H	As of May 10		As of Nov 6				
																										1st H	Full	Full				
日本	Japan	-	-	-	-	1	0	0	0	0	1	1	1	2	0	1	2	-1	1	1	-0	1	1	1	2	-	-	-				
アジア	Asia	-	-	-	-	979	310	355	665	366	1,031	319	684	1,350	302	378	680	355	1,035	312	667	1,347	313	295	608	-	-	-				
欧州	Europe	-	-	-	-	481	152	140	292	165	458	156	321	614	146	160	306	167	473	170	337	643	176	188	364	-	-	-				
北米	North America	-	-	-	-	96	33	28	62	29	91	32	62	123	33	29	62	28	91	33	61	124	40	26	67	-	-	-				
その他	Other	-	-	-	-	310	103	96	199	90	289	96	186	385	103	102	204	103	307	106	209	413	122	113	235	-	-	-				
売上高	Net sales	1,856	1,771	1,621	1,653	1,867	600	619	1,218	651	1,869	604	1,255	2,473	584	671	1,254	652	1,907	622	1,274	2,529	652	623	1,275	-	2,590	2,590				
営業利益	Operating profit	90	99	92	122	100	30	31	61	41	102	31	73	133	28	48	76	58	134	18	75	151	48	46	94	-	165	175				
(営業利益率)	(Operating profit ratio)	4.8%	5.6%	5.7%	7.4%	5.3%	5.0%	5.0%	5.0%	6.3%	5.5%	5.2%	5.8%	5.4%	4.7%	7.2%	6.1%	8.8%	7.0%	2.8%	5.9%	6.0%	7.4%	7.3%	7.4%	-	6.4%	6.8%				

※営業利益はのれん等償却前営業利益、営業利益率はのれん等償却前営業利益率です。

\*Operating income has been operating income before amortization of goodwill and the operating income ratio has been the operating income ratio before amortization of goodwill.

のれん等償却前営業利益 (超インフレ会計適用前)	Operating income before amortization of goodwill (before hyperinflation accounting)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	178	52	52	104	-	191	201
(のれん等償却前営業利益率)	(Operating profit before amortization of goodwill ratio)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.0%	8.0%	8.3%	8.2%	-	7.4%	7.8%

EBITDA	EBITDA	131	139	136	167	149	-	-	-	-	-	-	-	201	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	226	-	-	-	-	-	-
(EBITDAマージン)	(EBITDA margin)	7.1%	7.9%	8.4%	10.1%	8.0%	-	-	-	-	-	-	-	8.1%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.9%	-	-	-	-	-	-	

※EBITDAは営業利益+減価償却費です。

\*EBITDA is operating income + depreciation.

セグメント資産	Segment assets	1,580	1,500	1,482	1,679	1,864	-	-	-	-	-	-	-	2,148	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2,275	-	-	-	-	-	-
(セグメント資産利益率)	(ROA)	5.7%	6.6%	6.2%	7.3%	5.3%	-	-	-	-	-	-	-	6.2%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
減価償却費	Depreciation	42	40	44	45	49	-	-	-	-	-	-	-	67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
減損損失	Impairment loss	-	10	-	-	49	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
持分法適用会社への投資額	Investment in equity-method affiliates	301	286	290	319	340	-	-	-	-	-	-	-	367	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
有形固定資産及び無形固定資産の増加額	Increase in property, plant and equipment and intangible assets	64	72	55	43	53	-	-	-	-	-	-	-	110	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

※減価償却費は無形固定資産の償却費を含む値です。

\*Depreciation expenses include depreciation of intangible assets.

設備投資	Capital investment	63	67	55	51	53	-	-	27	-	-	-	83	110	-	-	34	-	-	-	39	73	-	-	31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	75	75		
研究開発費	Research and development expenses	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(売上高研究開発費率)	(Ratio of R&D expenses to net sales)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

※自動車電池（国内）と（海外）の研究開発費は、FY17以降は合算で算出しています。

\*Research and development expenses in the "Automotive Batteries (Japan)" and "Automotive Batteries (Overseas)" segments have been totaled since fiscal 2017.

従業員数（人）	Number of employees	10,273	9,745	8,491	8,193	8,096	-	-	-	-	-	-	-	8,879	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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前年比	Year-on-year comparison	FY17/FY16	FY18/FY17	FY19/FY18	FY20/FY19	FY21/FY20	FY22/FY21										FY23/FY22										FY24/FY23					
		実績 Actual	実績 Actual	実績 Actual	実績 Actual	実績 Actual	実績 Actual										実績 Actual										実績 Actual		予想 Forecast			
		Full	Full	Full	Full	Full	1Q	2Q	1st H	3Q	3Q total	4Q	2nd H	Full	1Q	2Q	1st H	3Q	3Q total	4Q	2nd H	Full	1Q	2Q	1st H	As of May 10		As of Nov 6				
																										1st H	Full	Full				
売上高	Net sales	108.8%	95.4%	91.6%	101.9%	113.0%	134.0%	144.5%	139.1%	129.1%	135.4%	123.9%	126.5%	132.4%	97.3%	108.4%	102.9%	100.2%	102.0%	103.0%	101.6%	102.2%	111.7%	92.9%	101.7%	-	102.4%	102.4%				
営業利益	Operating profit	85.7%	110.8%	92.6%	133.1%	81.5%	102.4%	222.3%	140.6%	148.2%	143.6%	109.8%	128.8%	133.9%	91.4%	157.8%	124.8%	139.4%	130.7%	56.3%	103.6%	113.3%	174.1%	94.4%	123.3%	-	109.1%	115.7%				

※1 自動車電池事業（海外）には従来より取り扱う海外産業用電池の取引高の一部を含んでいましたが、2018年度より、産業電池電源事業に変更しています。2017年度の売上高および営業利益は、変更後の報告セグメントにより記載しています。

\*1 The "automotive batteries (overseas)" segment previously included a portion of transaction amounts for industrial batteries handled overseas, but as of fiscal 2018, the category was changed to "industrial batteries and power supplies." Net sales and operating income for fiscal 2017 are indicated for the reporting segments after the change

※2 2019年度に自動車電池事業（海外）の一部連結子会社を産業電池電源事業へ変更しました。それに伴い、2018年度の数値を変更後のセグメント区分に組み替えて記載しています。

\*2 In fiscal 2019, some consolidated subsidiaries in the "automotive batteries (overseas)" segment were shifted to the "industrial batteries and power supplies" segment. Accordingly, the figures for fiscal 2018 have been reclassified to reflect the revised segment categories.

(億円、100 million yen)

産業電池電源事業 / Industrial Batteries and Power Supplies		FY17	FY18	FY19	FY20	FY21	FY22								FY23								FY24						
		実績 Actual	実績 Actual	実績 Actual	実績 Actual	実績 Actual	実績 Actual								実績 Actual								実績 Actual		予想 Forecast				
		Full	Full	Full	Full	Full	1Q	2Q	1st H	3Q	3Q total	4Q	2nd H	Full	1Q	2Q	1st H	3Q	3Q total	4Q	2nd H	Full	1Q	2Q	1st H	As of May 10		As of Nov 6	
																										1st H	Full	Full	
日本	Japan	-	-	-	-	853	130	174	304	218	522	278	496	800	134	172	306	300	606	315	615	921	159	224	383	-	-	-	
アジア	Asia	-	-	-	-	68	17	23	40	23	62	17	40	80	17	21	39	23	61	20	43	82	17	18	35	-	-	-	
欧州	Europe	-	-	-	-	3	1	3	4	3	7	2	5	9	2	1	3	3	6	2	5	8	2	2	4	-	-	-	
北米	North America	-	-	-	-	56	19	23	42	20	62	17	37	79	24	17	42	16	57	20	35	77	14	19	33	-	-	-	
その他	Other	-	-	-	-	15	3	2	5	2	6	2	3	8	2	4	5	1	7	2	4	9	3	3	6	-	-	-	
売上高	Net sales	742	800	846	840	995	170	225	395	264	659	317	581	976	179	216	395	342	737	359	702	1,097	195	267	462	-	1,200	1,200	
営業利益	Operating profit	74	78	92	69	58	-5	11	6	27	33	53	80	85	2	12	14	51	64	67	118	132	9	30	39	-	130	135	
(営業利益率)	(Operating profit ratio)	9.9%	9.8%	10.8%	8.2%	5.8%	-3.1%	5.1%	1.5%	10.2%	5.0%	16.6%	13.7%	8.8%	0.8%	5.6%	3.5%	14.8%	8.7%	18.8%	16.8%	12.0%	4.8%	11.2%	8.5%	-	10.8%	11.3%	
EBITDA	EBITDA	86	94	108	86	74	-	-	-	-	-	-	-	102	-	-	-	-	-	-	-	151	-	-	-	-	-	-	
(EBITDAマージン)	(EBITDA margin)	11.6%	11.8%	12.8%	10.2%	7.4%	-	-	-	-	-	-	-	10.5%	-	-	-	-	-	-	-	13.8%	-	-	-	-	-	-	

※EBITDAは営業利益+減価償却費です。

\*EBITDA is operating income + depreciation.

セグメント資産	Segment assets	412	528	572	566	729	-	-	-	-	-	-	-	738	-	-	-	-	-	-	-	752	-	-	-	-	-	-
(セグメント資産利益率)	(ROA)	17.9%	14.8%	16.0%	12.2%	7.9%	-	-	-	-	-	-	-	11.6%	-	-	-	-	-	-	-	17.5%	-	-	-	-	-	-
減価償却費	Depreciation	13	16	17	17	16	-	-	-	-	-	-	-	17	-	-	-	-	-	-	-	19	-	-	-	-	-	-
減損損失	Impairment loss	-	-	-	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	-	-	-	-	-	-
持分法適用会社への投資額	Investment in equity-method affiliates	1	5	3	3	5	-	-	-	-	-	-	-	5	-	-	-	-	-	-	-	6	-	-	-	-	-	-
有形固定資産及び無形固定資産の増加額	Increase in property, plant and equipment and intangible assets	11	19	19	14	13	-	-	-	-	-	-	-	42	-	-	-	-	-	-	-	20	-	-	-	-	-	-

※減価償却費は無形固定資産の償却費を含む値です。

\*Depreciation expenses include depreciation of intangible assets.

設備投資	Capital investment	11	21	17	14	13	-	-	19	-	-	-	23	42	-	-	6	-	-	-	15	20	-	-	22	-	50	50
研究開発費	Research and development expenses	21	24	23	21	26	-	-	-	-	-	-	-	26	-	-	-	-	-	-	-	41	-	-	-	-	-	-
(売上高研究開発費率)	(Ratio of R&D expenses to net sales)	2.8%	2.9%	2.7%	2.5%	2.6%	-	-	-	-	-	-	2.7%	-	-	-	-	-	-	-	3.7%	-	-	-	-	-	-	

従業員数(人)	Number of employees	1,544	1,528	2,046	1,973	2,354	-	-	-	-	-	-	-	2,319	-	-	-	-	-	-	-	2,094	-	-	-	-	-	-
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前年比	Year-on-year comparison	FY17/FY16	FY18/FY17	FY19/FY18	FY20/FY19	FY21/FY20	FY22/FY21								FY23/FY22								FY24/FY23					
		実績 Actual	実績 Actual	実績 Actual	実績 Actual	実績 Actual	実績 Actual								実績 Actual								実績 Actual		予想 Forecast			
		Full	Full	Full	Full	Full	1Q	2Q	1st H	3Q	3Q total	4Q	2nd H	Full	1Q	2Q	1st H	3Q	3Q total	4Q	2nd H	Full	1Q	2Q	1st H	As of May 10		As of Nov 6
売上高	Net sales	102.0%	107.8%	105.6%	99.4%	118.4%	85.8%	85.9%	85.9%	105.9%	92.9%	111.2%	108.7%	98.1%	105.2%	96.1%	100.0%	129.6%	111.9%	113.3%	120.7%	112.4%	109.1%	123.4%	116.9%	-	109.4%	109.4%
営業利益	Operating profit	84.6%	106.3%	117.0%	75.2%	83.8%	85.8%	244.1%	-374.4%	121.9%	160.8%	141.0%	134.0%	148.0%	-28.4%	107.1%	228.4%	189.4%	196.5%	127.8%	148.6%	154.2%	622.4%	244.6%	286.5%	-	98.6%	102.4%

※1 自動車電池事業(海外)には従来より取り扱う海外産業用電池の取引高の一部を含んでいましたが、2018年度より、産業電池電源事業に変更しています。2017年度の売上高および営業利益は、変更後の報告セグメントにより記載しています。

\*1 The "automotive batteries (overseas)" segment previously included a portion of transaction amounts for industrial batteries handled overseas, but as of fiscal 2018, the category was changed to "industrial batteries and power supplies." Net sales and operating income for fiscal 2017 are indicated for the reporting segments after the change

※2 2019年度に自動車電池事業(海外)の一部連結子会社を産業電池電源事業へ変更しました。それに伴い、2018年度の数値を変更後のセグメント区分に組み替えて記載しています。

\*2 In fiscal 2019, some consolidated subsidiaries in the "automotive batteries (overseas)" segment were shifted to the "industrial batteries and power supplies" segment. Accordingly, the figures for fiscal 2018 have been reclassified to reflect the revised segment categories.

※3 2023年度より、従来「産業電池電源」に含まれていた一部の連結子会社について、「特殊電池およびその他」に変更しております。2022年度は、変更後のセグメントにより記載しております。

\*3 Some consolidated subsidiaries in the "Industrial Batteries and Power Supplies" segment were transferred to the "Specialized Batteries and Others" segment in fiscal 2023. In conjunction with this change, figures for fiscal 2022 were restated according to the modified segments.

(億円、100 million yen)

車載用リチウムイオン電池事業/Automotive Lithium-ion Batteries		FY17	FY18	FY19	FY20	FY21	FY22								FY23								FY24							
		実績 Actual	実績 Actual	実績 Actual	実績 Actual	実績 Actual	実績 Actual								実績 Actual								実績 Actual		予想 Forecast					
		Full	Full	Full	Full	Full	1Q	2Q	1st H	3Q	3Q total	4Q	2nd H	Full	1Q	2Q	1st H	3Q	3Q total	4Q	2nd H	Full	1Q	2Q	1st H	As of May 10		As of Nov 6		
		Full	Full	Full	Full	Full	1Q	2Q	1st H	3Q	3Q total	4Q	2nd H	Full	1Q	2Q	1st H	3Q	3Q total	4Q	2nd H	Full	1Q	2Q	1st H	1st H	Full	Full		
日本	Japan	-	-	-	-	458	116	137	253	163	416	183	346	599	180	192	371	206	578	188	395	766	137	182	319	-	-	-		
アジア	Asia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
欧州	Europe	-	-	-	-	19	8	13	21	16	37	18	34	55	15	20	34	17	52	30	47	82	24	20	44	-	-	-		
北米	North America	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
その他	Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
売上高	Net sales	448	456	423	360	476	124	150	273	179	452	201	380	654	195	211	406	224	629	218	442	848	161	203	363	-	-	900	900	
営業利益	Operating profit	13	3	-17	-9	17	4	-2	2	8	10	10	18	20	4	3	7	17	24	2	19	26	-20	3	-18	-	-	40	20	
(営業利益率)	(Operating profit ratio)	2.9%	0.7%	-4.0%	-2.4%	3.5%	3.1%	-1.3%	0.7%	4.4%	2.2%	5.0%	4.7%	3.0%	2.2%	1.4%	1.8%	7.6%	3.9%	1.0%	4.3%	3.1%	-12.6%	1.3%	-4.8%	-	-	4.4%	2.2%	
EBITDA	EBITDA	65	47	16	27	49	-	-	-	-	-	-	-	61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(EBITDAマージン)	(EBITDA margin)	14.6%	10.3%	3.7%	7.4%	10.4%	-	-	-	-	-	-	-	9.3%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

※EBITDAは営業利益+減価償却費です。

\*EBITDA is operating income + depreciation.

セグメント資産	Segment assets	454	479	493	526	629	-	-	-	-	-	-	-	703	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(セグメント資産利益率)	(ROA)	2.9%	0.6%	-3.5%	-1.6%	2.6%	-	-	-	-	-	-	-	2.8%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
減価償却費	Depreciation	52	44	33	35	33	-	-	-	-	-	-	-	41	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
減損損失	Impairment loss	-	-	-	28	-	-	-	-	-	-	-	-	29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
持分法適用会社への投資額	Investment in equity-method affiliates	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
有形固定資産及び無形固定資産の増加額	Increase in property, plant and equipment and intangible assets	14	50	47	42	116	-	-	-	-	-	-	-	72	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

※減価償却費は無形固定資産の償却費を含む値です。

\*Depreciation expenses include depreciation of intangible assets.

設備投資	Capital investment	13	52	50	56	110	-	-	47	-	-	-	-	25	72	-	-	50	-	-	-	100	150	-	-	59	-	105	105	
研究開発費	Research and development expenses	61	50	44	69	77	-	-	-	-	-	-	-	77	-	-	-	-	-	-	-	-	76	-	-	-	-	-	-	-
うちHGYB	/ HGYB	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20	-	-	-	-	-	-	-
(売上高研究開発費率)	(Ratio of R&D expenses to net sales)	13.6%	11.0%	10.3%	19.2%	16.2%	-	-	-	-	-	-	-	11.8%	-	-	-	-	-	-	-	9.0%	-	-	-	-	-	-	-	-

従業員数 (人)	Number of employees	504	363	397	405	370	-	-	-	-	-	-	-	403	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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前年比	Year-on-year comparison	FY17/FY16	FY18/FY17	FY19/FY18	FY20/FY19	FY21/FY20	FY22/FY21								FY23/FY22								FY24/FY23					
		実績 Actual	実績 Actual	実績 Actual	実績 Actual	実績 Actual	実績 Actual								実績 Actual								実績 Actual		予想 Forecast			
		Full	Full	Full	Full	Full	1Q	2Q	1st H	3Q	3Q total	4Q	2nd H	Full	1Q	2Q	1st H	3Q	3Q total	4Q	2nd H	Full	1Q	2Q	1st H	As of May 10		As of Nov 6
売上高	Net sales	113.9%	101.8%	92.7%	85.1%	132.5%	138.7%	157.8%	148.5%	120.7%	136.1%	139.7%	130.0%	137.2%	157.5%	141.1%	148.5%	124.9%	139.1%	108.6%	116.2%	129.7%	82.6%	95.8%	89.5%	-	106.1%	106.1%
営業利益	Operating profit	2933.3%	22.7%	-569.3%	49.9%	-194.1%	233.5%	-2020.0%	104.0%	70.6%	75.0%	286.6%	122.0%	120.1%	114.1%	-147.5%	406.1%	214.1%	249.6%	20.8%	106.0%	133.4%	-464.8%	91.6%	-239.2%	-	151.0%	75.5%

個別売上高・営業利益	Sales and operating income by individual company	FY17	FY18	FY19	FY20	FY21	FY22								FY23								FY24							
		実績 Actual	実績 Actual	実績 Actual	実績 Actual	実績 Actual	実績 Actual								実績 Actual								実績 Actual		予想 Forecast					
		Full	Full	Full	Full	Full	1Q	2Q	1st H	3Q	3Q total	4Q	2nd H	Full	1Q	2Q	1st H	3Q	3Q total	4Q	2nd H	Full	1Q	2Q	1st H	As of May 10		As of Nov 6		
BEC 売上高	Net sales	171	138	142	219	314	-	-	-	-	-	-	-	435	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
営業利益	Operating profit	20	18	4	23	33	-	-	-	-	-	-	-	36	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(営業利益率)	(Operating profit ratio)	11.8%	12.8%	2.8%	10.6%	10.7%	-	-	-	-	-	-	-	8.4%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LEJ 売上高	Net sales	283	327	287	219	253	-	-	-	-	-	-	-	211	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
営業利益	Operating profit	3	2	2	4	13	-	-	-	-	-	-	-	16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(営業利益率)	(Operating profit ratio)	0.9%	0.5%	0.6%	1.6%	5.1%	-	-	-	-	-	-	-	7.4%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

※BECは株式会社ブルーエナジー、LEJは株式会社 リチウムエナジー ジャパンの略です。

\*BEC : Blue Energy Co., Ltd. / LEJ : Lithium Energy Japan Ltd



(億円、100 million yen)

特殊電池およびその他事業/Specialized Batteries and Others		FY17	FY18	FY19	FY20	FY21	FY22								FY23								FY24						
		実績 Actual	実績 Actual	実績 Actual	実績 Actual	実績 Actual	実績 Actual								実績 Actual								実績 Actual		予想 Forecast				
		Full	Full	Full	Full	Full	1Q	2Q	1st H	3Q	3Q total	4Q	2nd H	Full	1Q	2Q	1st H	3Q	3Q total	4Q	2nd H	Full	1Q	2Q	1st H	As of May 10		As of Nov 6	
		Full	Full	Full	Full	Full	1Q	2Q	1st H	3Q	3Q total	4Q	2nd H	Full	1Q	2Q	1st H	3Q	3Q total	4Q	2nd H	Full	1Q	2Q	1st H	1st H	Full	Full	
日本	Japan	-	-	-	-	153	39	40	79	43	121	55	98	177	44	44	88	44	132	55	99	187	54	45	99	-	-	-	
アジア	Asia	-	-	-	-	3	0	0	1	0	1	0	0	1	0	0	1	1	2	1	1	2	0	1	1	-	-	-	
欧州	Europe	-	-	-	-	9	3	4	7	3	10	3	7	14	7	5	11	5	16	6	11	22	4	3	8	-	-	-	
北米	North America	-	-	-	-	3	1	2	3	1	4	1	2	5	1	1	2	1	3	1	2	4	1	1	2	-	-	-	
その他	Other	-	-	-	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
売上高	Net sales	171	189	185	176	168	44	45	89	48	136	60	108	196	52	50	102	51	154	62	113	215	60	50	109	-	210	210	
営業利益	Operating profit	3	-8	3	1	6	0	1	1	9	11	6	15	16	6	5	11	13	24	8	22	32	10	2	12	-	30	30	
(営業利益率)	(Operating profit ratio)	1.7%	-4.0%	1.7%	0.8%	3.4%	0.2%	2.9%	1.5%	19.7%	7.9%	9.6%	14.0%	8.4%	10.9%	9.7%	10.3%	25.5%	15.4%	13.7%	19.0%	14.9%	16.9%	3.3%	10.7%	-	14.3%	14.3%	

※特殊電池およびその他セグメントに含まれる「その他の収益」は便宜上「日本」に含んでいます。

\*Other revenues in the Specialized Batteries and Others segment are included in "Japan" for convenience.

EBITDA	EBITDA	59	53	55	53	61	-	-	-	-	-	-	-	74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(EBITDAマージン)	(EBITDA margin)	34.4%	27.9%	29.6%	30.4%	36.4%	-	-	-	-	-	-	-	37.9%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

※EBITDAは営業利益+減価償却費です。

\*EBITDA is operating income + depreciation.

セグメント資産	Segment assets	923	756	726	950	973	-	-	-	-	-	-	-	1,184	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(セグメント資産利益率)	(ROA)	0.3%	-1.0%	0.4%	0.1%	0.6%	-	-	-	-	-	-	-	1.4%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
減価償却費	Depreciation	56	60	52	52	55	-	-	-	-	-	-	-	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
減損損失	Impairment loss	-	-	-	-	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
持分法適用会社への投資額	Investment in equity-method affiliates	-	-	24	31	36	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
有形固定資産及び無形固定資産の増加額	Increase in property, plant and equipment and intangible assets	46	24	55	65	79	-	-	-	-	-	-	-	77	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

※減価償却費は無形固定資産の償却費を含む値です。

\*Depreciation expenses include depreciation of intangible assets.

設備投資	Capital investment	42	39	38	85	72	-	-	37	-	-	-	39	77	-	-	49	-	-	-	169	218	-	-	159	-	535	435	
研究開発費	Research and development expenses	4	3	4	3	3	-	-	-	-	-	-	-	4	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-
(売上高研究開発費率)	(Ratio of R&D expenses to net sales)	2.4%	1.8%	2.1%	1.6%	1.7%	-	-	-	-	-	-	-	2.2%	-	-	-	-	-	-	-	1.5%	-	-	-	-	-	-	-

従業員数(人)	Number of employees	1,059	1,358	1,387	1,453	1,464	-	-	-	-	-	-	-	1,467	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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前年比	Year-on-year comparison	FY17/FY16	FY18/FY17	FY19/FY18	FY20/FY19	FY21/FY20	FY22/FY21								FY23/FY22								FY24/FY23						
		実績 Actual	実績 Actual	実績 Actual	実績 Actual	実績 Actual	実績 Actual								実績 Actual								実績 Actual		予想 Forecast				
		Full	Full	Full	Full	Full	1Q	2Q	1st H	3Q	3Q total	4Q	2nd H	Full	1Q	2Q	1st H	3Q	3Q total	4Q	2nd H	Full	1Q	2Q	1st H	As of May 10		As of Nov 6	
		Full	Full	Full	Full	Full	1Q	2Q	1st H	3Q	3Q total	4Q	2nd H	Full	1Q	2Q	1st H	3Q	3Q total	4Q	2nd H	Full	1Q	2Q	1st H	1st H	Full	Full	
売上高	Net sales	183.6%	110.7%	97.8%	94.9%	95.5%	105.6%	119.4%	112.2%	114.2%	112.9%	127.4%	121.2%	116.9%	119.0%	110.9%	114.9%	108.1%	112.5%	103.1%	105.3%	109.7%	114.4%	99.3%	107.0%	-	97.5%	97.5%	
営業利益	Operating profit	-41.1%	-262.7%	-42.7%	42.2%	425.7%	2.6%	-339.5%	58.6%	985.3%	327.8%	227.8%	435.2%	284.3%	8085.7%	376.0%	772.8%	140.2%	220.4%	147.0%	142.8%	194.8%	177.6%	33.8%	111.2%	-	93.5%	93.5%	

※2023年度より、従来「産業電池電源」に含まれていた一部の連結子会社について、「特殊電池およびその他」に変更しております。2022年度は、変更後のセグメントにより記載しております。

\*Some consolidated subsidiaries in the "Industrial Batteries and Power Supplies" segment were transferred to the "Specialized Batteries and Others" segment in fiscal 2023. In conjunction with this change, figures for fiscal 2022 were restated according to the modified segments.







(億円、100 million yen)

連結貸借対照表 / Consolidated Balance Sheets		FY17	FY18	FY19	FY20	FY21	FY22							FY23							FY24							
		実績 Actual	実績 Actual	実績 Actual	実績 Actual	実績 Actual	実績 Actual							実績 Actual							実績 Actual			予想 Forecast				
		Full	Full	Full	Full	Full	1Q	2Q	1st H	3Q	3Q total	4Q	2nd H	Full	1Q	2Q	1st H	3Q	3Q total	4Q	2nd H	Full	1Q	2Q	1st H	1st H	Full	Full
		As of	As of	As of	As of	As of	As of	As of	As of	As of	As of	As of	As of	As of	As of	As of	As of	As of	As of	As of	As of	As of	As of	As of	As of	As of	As of	As of
総資産	Total assets	3,913	3,842	3,854	4,319	4,808	5,220	-	5,236	-	5,252	-	-	5,409	5,506	-	5,593	-	6,100	-	-	6,567	6,655	-	6,572	-	6,910	6,910
純資産	Net assets	2,056	2,077	2,053	2,346	2,499	2,621	-	2,623	-	2,607	-	-	2,709	2,772	-	2,867	-	3,331	-	-	3,739	3,797	-	3,747	-	3,800	3,800
自己資本 (自己資本比率)	Total equity (Equity ratio)	1,758	1,783	1,763	2,022	2,152	2,234	-	2,256	-	2,245	-	-	2,307	2,365	-	2,439	-	2,910	-	-	3,300	3,331	-	3,313	-	-	-
借入金総額	Total debt	752	669	645	654	825	999	-	1,048	-	1,074	-	-	1,037	1,004	-	974	-	962	-	-	762	863	-	1,055	-	950	950
1株あたり純資産 (円)	Net assets per share (yen)	2,138.45	2,179.03	2,173.37	2,509.08	2,675.70	-	-	2,804.31	-	-	-	-	2,867.23	-	-	3,031.12	-	-	-	-	3,289.95	-	-	3,303.10	-	-	-

(億円、100 million yen)

通期業績予想／Full-year earnings forecast			FY17	FY18	FY19	FY20	FY21	FY22			FY23			FY24		FY25			
			実績 Actual	実績 Actual	実績 Actual	実績 Actual	実績 Actual	第五期中計目標 Target	予想 Forecast		実績 Actual	予想 Forecast		実績 Actual	予想 Forecast		第六期中計目標 Target		
								As of May 13, 2019	As of May 12	As of Nov 8		As of May 11	As of Nov 9	As of Feb 6		As of May 10	As of Nov 6	As of Apr 5, 2023	As of Jul 9, 2024
			Full	Full	Full	Full	Full	Full	Full	Full	Full	Full	Full	Full	Full	Full	Full	Full	Full
自動車電池（国内） 売上高	Automotive Batteries (Japan)	Net sales	892	915	881	836	815	850	920	880	878	940	950	950	940	1,000	1,000	1,000	1,000
		営業利益	61	78	70	87	59	70	50	50	65	55	70	70	81	80	85	70	90
		(営業利益率)	6.9%	8.5%	7.9%	10.4%	7.2%	8.2%	5.4%	5.7%	7.5%	5.9%	7.4%	7.4%	8.6%	8.0%	8.5%	7.0%	9.0%
自動車電池（海外） 売上高	Automotive Batteries (Overseas)	Net sales	1,856	1,771	1,621	1,653	1,867	2,000	2,360	2,400	2,473	2,520	2,470	2,470	2,529	2,590	2,590	2,400	2,600
		営業利益	90	99	92	122	100	130	140	140	133	150	160	175	151	165	175	170	170
		(営業利益率)	4.8%	5.6%	5.7%	7.4%	5.3%	6.5%	5.9%	5.8%	5.4%	6.0%	6.5%	7.1%	6.0%	6.4%	6.8%	7.1%	6.5%
産業電池電源 売上高	Industrial Batteries and Power Supplies	Net sales	742	800	846	840	995	1,000	1,080	1,080	976	1,110	1,100	1,100	1,097	1,200	1,200	1,400	1,200
		営業利益	74	78	92	69	58	80	90	90	85	90	95	110	132	130	135	110	130
		(営業利益率)	9.9%	9.8%	10.8%	8.2%	5.8%	8.0%	8.3%	8.3%	8.8%	8.1%	8.6%	10.0%	12.0%	10.8%	11.3%	7.9%	10.8%
車載用リチウムイオン電池 売上高	Automotive Lithium-ion Batteries	Net sales	448	456	423	360	476	550	700	690	654	1,030	880	880	848	900	900	1,100	1,000
		営業利益	13	3	-17	-9	17	10	10	10	20	40	40	45	26	40	20	60	50
		(営業利益率)	2.9%	0.7%	-4.0%	-2.4%	3.5%	1.8%	1.4%	1.4%	3.0%	3.9%	4.5%	5.1%	3.1%	4.4%	2.2%	5.5%	5.0%
特殊電池およびその他 売上高	Specialized Batteries and Others	Net sales	171	189	185	176	168	200	140	150	196	200	200	200	215	210	210	200	200
		営業利益	3	-8	3	1	6	-10	0	0	16	5	10	25	32	30	30	0	20
		(営業利益率)	1.7%	-4.0%	1.7%	0.8%	3.4%	-5.0%	0.0%	0.0%	8.4%	2.5%	5.0%	12.5%	14.9%	14.3%	14.3%	0.0%	10.0%
合計	Total	Net sales	4,110	4,131	3,956	3,865	4,321	4,600	5,200	5,200	5,177	5,800	5,600	5,600	5,629	5,900	5,900	6,100	6,000
		営業利益	241	251	239	271	239	280	290	290	321	340	375	425	422	445	445	410	460
		(営業利益率)	5.9%	6.1%	6.1%	7.0%	5.5%	6.1%	5.6%	5.6%	6.2%	5.9%	6.7%	7.6%	7.5%	7.5%	7.5%	6.7%	7.7%

\*上記営業利益はのれん等償却前営業利益です。

\*The above operating income is before amortization of goodwill.

のれん等償却前営業利益（超インフレ会計適用前）	Operating income before amortization of goodwill (before application of hyperinflationary accounting)	-	-	-	-	-	-	-	-	-	-	-	-	449	471	471	-	486
(のれん等償却前営業利益率)	(Operating profit before amortization of goodwill ratio)	-	-	-	-	-	-	-	-	-	-	-	-	8.0%	8.0%	8.0%	-	8.1%

売上高	Net sales	4,110	4,131	3,956	3,865	4,321	4,600	5,200	5,200	5,177	5,800	5,600	5,600	5,629	5,900	5,900	6,100	6,000
営業利益	Operating profit	219	227	217	248	227	-	280	280	315	330	370	420	416	440	440	-	-
経常利益	Ordinary profit	214	247	231	273	247	-	280	280	242	270	320	380	440	440	440	-	-
親会社株主帰属純利益	Profit attributable to owners of parent	115	135	137	115	85	-	120	120	139	140	160	210	321	260	260	-	-
1株あたり純利益（円）	EPS (yen)	138.90	164.74	168.23	141.91	105.23	-	149.11	149.17	173.11	174.03	198.87	242.16	369.74	259.21	259.21	-	-

営業利益増減要因（当初計画差）／ Factors for Operating Income Change (Initial forecast comparison)			FY17	FY18	FY19	FY20	FY21	FY22			FY23			FY24		FY25			
			実績 Actual	実績 Actual	実績 Actual	実績 Actual	実績 Actual	第五期中計目標 Target	予想 Forecast		実績 Actual	予想 Forecast		実績 Actual	予想 Forecast		第六期中計目標 Target		
								As of May 13, 2019	As of May 12	As of November 8		As of May 11	As of Nov 9	As of Feb 6		As of May 10	As of Nov 6	As of Apr 5, 2023	As of Jul 9, 2024
			Full	Full	Full	Full	Full	Full	Full	Full	Full	Full	Full	Full	Full	Full	Full	Full	Full
のれん等償却前営業利益	Operating profit before amortization of goodwill	241	251	239	271	239	280	290	290	321	340	375	425	422	445	445	410	460	
営業利益（当初計画差）	Operating profit (Initial forecast comparison)	-	-	19	-	-	-	51	-	31	19	-	-	82	23	-	-	-	
数量・構成変化	Quantity, composition change	-	-	-62	-	-	-	169	-	-154	146	-	-	-130	97	-	-	-	
原材料価格・売価	Raw material price, sales price	-	-	41	-	-	-	-16	-	63	105	-	-	149	28	-	-	-	
経費等	Expenses, etc.	-	-	39	-	-	-	-101	-	60	-206	-	-	30	-86	-	-	-	
為替	Exchange rate	-	-	-4	-	-	-	5	-	25	-17	-	-	18	-14	-	-	-	
特殊電池およびその他	Specialized batteries and Others	-	-	13	-	-	-	-6	-	37	-9	-	-	15	-2	-	-	-	
リチウム	Lithium	-	-	-8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

(億円、100 million yen)

連結キャッシュ・フロー計算書/Consolidated Statements of Cash Flows	FY17 実績 Actual	FY18 実績 Actual	FY19 実績 Actual	FY20 実績 Actual	FY21 実績 Actual	FY22								FY23								FY24					
						実績 Actual																実績 Actual		予想 Forecast			
																								As of May 10		As of Nov 6	
						Full	Full	Full	Full	Full	1Q	2Q	1st H	3Q	3Q total	4Q	2nd H	Full	1Q	2Q	1st H	3Q	3Q total	4Q	2nd H	Full	1Q
営業活動によるキャッシュ・フロー Cash flows from operating activities	219	315	331	358	129	-	-	19	-	-	-	-	283	-	-	193	-	-	-	-	632	-	-	51	-	500	500
うち利息の支払額 / Equity in earnings of affiliates	-9	-6	-8	-8	-9	-	-	-13	-	-	-	-	-33	-	-	-20	-	-	-	-	-36	-	-	-20	-	-	-
投資活動によるキャッシュ・フロー Cash flows from investing activities	-208	-176	-207	-193	-302	-	-	-157	-	-	-	-	-266	-	-	-175	-	-	-	-	-462	-	-	-367	-	-850	-850
財務活動によるキャッシュ・フロー Cash flows from financing activities	-67	-117	-102	-70	52	-	-	119	-	-	-	-	88	-	-	-117	-	-	-	-	35	-	-	192	-	-3	-3
現金及び現金同等物の増減額 Net increase (decrease) in cash and cash equivalents	-49	36	13	111	-100	-	-	-1	-	-	-	-	102	-	-	-83	-	-	-	-	243	-	-	-109	-	-353	-353
現金及び現金同等物の期首残高 Cash and cash equivalents at beginning of period	247	198	234	247	358	-	-	258	-	-	-	-	258	-	-	360	-	-	-	-	360	-	-	603	-	603	603
現金及び現金同等物の期末残高 Cash and cash equivalents at end of period	198	234	247	358	258	-	-	257	-	-	-	-	360	-	-	277	-	-	-	-	603	-	-	494	-	250	250
四半期報告書 CF情報 Quarterly report cash flows information																											
減価償却費 Depreciation	181	178	177	180	182	48	51	98	51	149	60	111	210	53	60	113	55	168	60	115	228	58	57	115	-	-	-
のれんの償却額 Amortization of goodwill	12	15	14	13	7	2	2	5	2	7	-4	-2	3	1	1	1	1	2	1	2	3	1	1	2	-	-	-
フリー・キャッシュ・フロー Free cash Flows	11	139	124	165	-173	-	-	-137	-	-	-	-	18	-	-	18	-	-	-	-	170	-	-	-316	-	-350	-350
インタレスト・カバレッジ・レシオ Interest coverage ratio	25.48	49.75	40.59	43.79	13.61	-	-	1.50	-	-	-	-	8.60	-	-	9.81	-	-	-	-	17.33	-	-	2.48	-	-	-

財務分析/Financial analysis		FY17	FY18	FY19	FY20	FY21	FY22						FY23						FY24									
		実績 Actual	実績 Actual	実績 Actual	実績 Actual	実績 Actual	実績 Actual						実績 Actual						実績 Actual			予想 Forecast						
		Full	Full	Full	Full	Full	1Q	2Q	1st H	3Q	3Q total	4Q	2nd H	Full	1Q	2Q	1st H	3Q	3Q total	4Q	2nd H	Full	1Q	2Q	1st H	1st H	Full	Full
ROICツリー	ROIC Tree																											
投下資本利益率 (のれん等償却前)	ROIC (before amortization of goodwill)	10.9%	11.3%	10.9%	12.0%	9.7%	-	-	-	-	-	-	11.4%	-	-	-	-	-	-	-	13.7%	-	-	-	-	12.5%	12.5%	
売上高営業利益率 (のれん等償却前)	Operating profit ratio (before amortization of goodwill)	5.9%	6.1%	6.1%	7.0%	5.5%	3.4%	4.0%	3.7%	7.9%	5.3%	8.6%	8.3%	6.2%	4.1%	5.9%	5.0%	10.9%	7.2%	8.2%	9.6%	7.5%	5.0%	7.1%	6.1%	-	7.5%	7.5%
売上高成長率	Sales growth rate	14.3%	0.5%	-4.2%	-2.3%	11.8%	16.7%	24.2%	20.6%	18.3%	19.7%	20.1%	19.2%	19.8%	8.2%	10.1%	9.2%	10.8%	9.8%	5.9%	8.3%	8.7%	5.8%	0.5%	3.0%	-	-	-
売上原価率	Cost of sales ratio	77.4%	77.0%	76.5%	75.0%	77.6%	78.4%	79.7%	79.1%	76.9%	78.3%	77.8%	77.3%	78.1%	78.6%	78.5%	78.5%	75.5%	77.4%	78.1%	76.8%	77.6%	77.7%	76.9%	77.3%	-	-	-
販管費率	SG&A expense ratio	17.3%	17.5%	18.0%	18.6%	17.1%	18.4%	16.5%	17.4%	15.4%	16.7%	13.5%	14.4%	15.8%	17.4%	15.7%	16.5%	13.7%	15.5%	13.8%	13.8%	15.0%	17.4%	16.1%	16.8%	-	-	-
投下資本回転率	Invested capital turnover	1.9	1.9	1.8	1.7	1.8	-	-	-	-	-	-	1.8	-	-	-	-	-	-	-	1.8	-	-	-	-	-	-	-
運転資本回転率	Working capital turnover	4.4	4.4	4.4	4.2	4.2	-	-	-	-	-	-	4.2	-	-	-	-	-	-	-	4.4	-	-	-	-	-	-	-
売上債権回転率	Accounts receivable turnover	5.4	5.4	5.3	5.0	5.0	-	-	-	-	-	-	5.3	-	-	-	-	-	-	-	5.2	-	-	-	-	-	-	-
棚卸資産回転率	Inventory turnover	6.2	6.0	6.0	5.8	5.4	-	-	-	-	-	-	5.1	-	-	-	-	-	-	-	5.0	-	-	-	-	-	-	-
仕入債務回転率	Trade payables turnover	6.5	6.1	6.0	5.6	5.3	-	-	-	-	-	-	5.3	-	-	-	-	-	-	-	4.7	-	-	-	-	-	-	-
固定資産回転率	Fixed asset turnover	2.0	2.0	1.9	1.7	1.8	-	-	-	-	-	-	2.0	-	-	-	-	-	-	-	1.8	-	-	-	-	-	-	-

※固定資産回転率は貸借対照表の固定資産合計額を使用しております。

\*Fixed asset turnover is calculated using the total amount of fixed assets listed on the balance sheet.

デュボンシステム		DuPont Analysis																										
自己資本利益率	ROE	6.8%	6.8%	7.7%	6.1%	4.1%	-	-	-	-	-	-	6.2%	-	-	-	-	-	-	-	-	11.4%	-	-	-	-	-	-
売上高当期純利益率	Net profit ratio	2.8%	3.3%	3.5%	3.0%	2.0%	0.6%	0.9%	0.7%	4.4%	2.1%	4.3%	4.3%	2.7%	1.4%	3.2%	2.3%	7.6%	4.3%	9.5%	8.5%	5.7%	3.8%	3.4%	3.6%	2.3%	4.4%	4.4%
総資産回転率	Total asset turnover rate	1.1	1.1	1.0	0.9	0.9	-	-	-	-	-	-	1.0	-	-	-	-	-	-	-	0.9	-	-	-	-	-	-	-
財務レバレッジ (期末)	Financial Leverage (End of term)	2.2	2.2	2.2	2.1	2.2	2.3	-	2.3	-	2.3	-	2.3	2.3	-	2.3	-	2.1	-	-	2.0	2.0	-	2.0	-	-	-	-

キャッシュ・コンバージョン・サイクル		Cash conversion cycle																										
売上債権回転期間 (月)	Accounts receivable turnover rate	2.2	2.2	2.3	2.4	2.4	-	-	-	-	-	-	2.3	-	-	-	-	-	-	-	2.3	-	-	-	-	-	-	-
棚卸資産回転期間 (月)	Inventory turnover rate	1.9	2.0	2.0	2.1	2.2	-	-	-	-	-	-	2.4	-	-	-	-	-	-	-	2.4	-	-	-	-	-	-	-
仕入債務回転期間 (月)	Trade payables turnover rate	1.9	2.0	2.0	2.1	2.3	-	-	-	-	-	-	2.3	-	-	-	-	-	-	-	2.5	-	-	-	-	-	-	-
キャッシュ・コンバージョン・サイクル	Cash conversion cycle	2.3	2.3	2.3	2.3	2.4	-	-	-	-	-	-	2.4	-	-	-	-	-	-	-	2.2	-	-	-	-	-	-	-



財務分析／Financial analysis		FY17	FY18	FY19	FY20	FY21	FY22						FY23						FY24									
		実績 Actual	実績 Actual	実績 Actual	実績 Actual	実績 Actual	実績 Actual						実績 Actual						実績 Actual			予想 Forecast						
		Full	Full	Full	Full	Full	1Q	2Q	1st H	3Q	3Q total	4Q	2nd H	Full	1Q	2Q	1st H	3Q	3Q total	4Q	2nd H	Full	1Q	2Q	1st H	As of May 10	As of Nov 6	
安全性分析	Safety analysis																											
流動比率	Current ratio	146.5%	181.9%	172.2%	180.2%	174.9%	161.0%	-	153.2%	-	143.3%	-	-	151.8%	145.6%	-	142.4%	-	157.4%	-	-	168.1%	166.1%	-	159.6%	-	-	
当座比率	Quick ratio	79.3%	101.3%	98.9%	107.2%	91.5%	74.1%	-	72.3%	-	69.9%	-	-	80.3%	70.6%	-	67.3%	-	87.0%	-	-	92.9%	83.7%	-	81.0%	-	-	
負債比率	Debt ratio	105.6%	99.0%	102.1%	97.6%	107.2%	116.3%	-	115.8%	-	117.9%	-	-	117.1%	115.6%	-	111.8%	-	95.2%	-	-	85.7%	85.8%	-	85.3%	-	-	
自己資本比率	Equity ratio	44.9%	46.4%	45.8%	46.8%	44.8%	42.8%	-	43.1%	-	42.7%	-	-	42.6%	42.9%	-	43.6%	-	47.7%	-	-	50.3%	50.0%	-	50.4%	-	-	
固定比率	Fixed ratio	118.7%	116.7%	118.9%	117.4%	118.2%	120.8%	-	121.5%	-	120.7%	-	-	119.1%	120.4%	-	120.7%	-	100.9%	-	-	103.0%	103.8%	-	107.5%	-	-	
固定長期適合率	Fixed assets ratio	88.1%	80.7%	82.4%	81.4%	80.3%	82.6%	-	84.6%	-	87.0%	-	-	84.4%	87.0%	-	89.1%	-	80.0%	-	-	80.1%	81.1%	-	83.8%	-	-	
営業CF対有利子負債比率（年）	Interest-bearing debt to operating cash flow ratio (Year)	3.5	2.2	2.2	2.0	7.0	-	-	-	-	-	-	-	4.0	-	-	-	-	-	-	-	1.4	-	-	2.3	-	-	
収益性分析	Profitability analysis																											
売上高総利益率	Gross profit margin	22.6%	23.0%	23.5%	25.0%	22.4%	21.6%	20.3%	20.9%	23.1%	21.7%	22.2%	22.7%	21.9%	21.4%	21.5%	21.5%	24.5%	22.6%	21.9%	23.2%	22.4%	22.3%	23.1%	22.7%	-	-	-
売上高営業利益率	Operating profit ratio	5.3%	5.5%	5.5%	6.4%	5.2%	3.2%	3.8%	3.5%	7.7%	5.1%	8.8%	8.2%	6.1%	4.0%	5.8%	4.9%	10.8%	7.1%	8.1%	9.4%	7.4%	4.8%	7.0%	5.9%	4.9%	7.5%	7.5%
売上高経常利益率	Ordinary profit ratio	5.2%	6.0%	5.8%	7.1%	5.7%	2.0%	3.0%	2.6%	7.2%	4.3%	5.7%	6.4%	4.7%	4.1%	5.2%	4.7%	11.0%	7.0%	9.9%	10.5%	7.8%	5.2%	5.7%	5.5%	4.8%	7.5%	7.5%
売上高当期純利益率	Net profit ratio	2.8%	3.3%	3.5%	3.0%	2.0%	0.6%	0.9%	0.7%	4.4%	2.1%	4.3%	4.3%	2.7%	1.4%	3.2%	2.3%	7.6%	4.3%	9.5%	8.5%	5.7%	3.8%	3.4%	3.6%	2.3%	4.4%	4.4%
総資産利益率	ROA	3.0%	3.5%	3.6%	2.8%	1.9%	-	-	-	-	-	-	-	2.7%	-	-	-	-	-	-	-	5.4%	-	-	-	-	-	-
自己資本利益率（のれん等償却前）	ROE (before amortization of goodwill)	8.2%	9.0%	9.0%	7.2%	4.6%	-	-	-	-	-	-	-	6.5%	-	-	-	-	-	-	-	11.6%	-	-	-	-	8.0%	8.0%
自己資本利益率	ROE	6.8%	7.6%	7.7%	6.1%	4.1%	-	-	-	-	-	-	-	6.2%	-	-	-	-	-	-	-	11.4%	-	-	-	-	-	-
投下資本利益率（のれん等償却前）	ROIC (before amortization of goodwill)	10.9%	11.3%	10.9%	12.0%	9.7%	-	-	-	-	-	-	-	11.4%	-	-	-	-	-	-	-	13.7%	-	-	-	-	12.5%	12.5%
財務レバレッジ（期末）	Financial Leverage (End of term)	2.2	2.2	2.2	2.1	2.2	2.3	-	2.3	-	2.3	-	-	2.3	2.3	-	2.3	-	2.1	-	-	2.0	2.0	-	2.0	-	-	-
総資産回転率	Total asset turnover rate	1.1	1.1	1.0	0.9	0.9	-	-	-	-	-	-	-	1.0	-	-	-	-	-	-	-	0.9	-	-	-	-	-	-
純資産回転率	Net asset turnover rate	2.1	2.0	1.9	1.8	1.8	-	-	-	-	-	-	-	2.0	-	-	-	-	-	-	-	1.7	-	-	-	-	-	-
自己資本回転率	Total equity turnover rate	2.4	2.3	2.2	2.0	2.1	-	-	-	-	-	-	-	2.3	-	-	-	-	-	-	-	2.0	-	-	-	-	-	-
成長性分析	Growth potential analysis																											
売上高成長率	Sales growth rate	14.3%	0.5%	-4.2%	-2.3%	11.8%	16.7%	24.2%	20.6%	18.3%	19.7%	20.1%	19.2%	19.8%	8.2%	10.1%	9.2%	10.8%	9.8%	5.9%	8.3%	8.7%	5.8%	0.5%	3.0%	-	-	-
営業利益成長率	Operating income growth rate	-5.1%	3.3%	-4.3%	14.5%	-8.6%	11.2%	130.8%	57.3%	24.2%	36.6%	42.7%	33.5%	39.0%	35.5%	68.5%	54.1%	55.1%	54.7%	-2.3%	24.2%	32.0%	27.9%	21.7%	24.0%	-	-	-
経常利益成長率	Ordinary profit growth rate	-5.1%	15.6%	-6.5%	18.0%	-9.5%	-47.4%	63.8%	-8.4%	5.7%	-0.1%	-5.3%	0.5%	-1.9%	119.7%	87.3%	99.4%	68.8%	80.3%	84.3%	75.8%	81.6%	35.5%	10.4%	20.7%	-	-	-
当期純利益成長率	Net profit growth rate	-6.4%	18.1%	1.1%	-16.2%	-26.1%	-77.1%	-332.6%	-22.5%	437.5%	134.3%	18.7%	95.1%	64.5%	169.3%	291.7%	247.9%	92.0%	126.0%	135.7%	113.7%	130.2%	190.0%	7.2%	57.9%	-	-	-
総資産成長率	Total asset growth rate	5.6%	-1.8%	0.3%	12.1%	11.3%	20.1%	-	19.2%	-	15.7%	-	-	12.5%	5.5%	-	6.8%	-	16.1%	-	-	21.4%	20.9%	-	17.5%	-	-	-

数量データ・シェア / Quantity Data / Share	FY17	FY18	FY19	FY20	FY21	FY22										FY23										FY24							
						実績	Actual	実績	Actual	実績	Actual	実績	Actual	実績					Actual					実績		Actual		予想		Forecast			
						Full	Full	Full	Full	Full	Full	1Q	2Q	1st H	3Q	3Q total	4Q	2nd H	Full	1Q	2Q	1st H	3Q	3Q total	4Q	2nd H	Full	1Q	2Q	1st H	1st H	Full	Full
新車・補修向け出荷割合	Ratio of Shipped Batteries for New Automobiles and Replacement																																
新車向け	New Automobiles																																
EN (ISS)	EN(ISS)	0%	5%	5%	5%	5%	-	-	5%	-	-	-	-	5%	-	-	5%	-	-	-	-	5%	-	-	5%	-	-	-					
EN	EN	10%	15%	25%	25%	30%	-	-	30%	-	-	-	-	30%	-	-	40%	-	-	-	-	40%	-	-	40%	-	-	-					
JIS (ISS)	JIS(ISS)	40%	40%	40%	40%	35%	-	-	35%	-	-	-	-	35%	-	-	30%	-	-	-	-	30%	-	-	30%	-	-	-					
JIS	JIS	50%	40%	30%	30%	30%	-	-	30%	-	-	-	-	30%	-	-	25%	-	-	-	-	25%	-	-	25%	-	-	-					
補修向け	Replacement																																
EN (ISS)	EN(ISS)	0%	0%	0%	0%	0%	-	-	0%	-	-	-	-	0%	-	-	0%	-	-	-	-	0%	-	-	0%	-	-	-					
EN	EN	0%	0%	0%	5%	5%	-	-	5%	-	-	-	-	5%	-	-	5%	-	-	-	-	5%	-	-	5%	-	-	-					
JIS (ISS)	JIS(ISS)	15%	20%	25%	30%	30%	-	-	30%	-	-	-	-	35%	-	-	40%	-	-	-	-	40%	-	-	40%	-	-	-					
JIS	JIS	85%	80%	75%	65%	65%	-	-	65%	-	-	-	-	60%	-	-	55%	-	-	-	-	55%	-	-	55%	-	-	-					
市場シェア	Market share																																
新車向け	New Automobiles																																
補修向け	Replacement																																
		68%	-	71%	73%	71%	-	-	71%	-	-	-	-	69%	-	-	72%	-	-	-	-	72%	-	-	71%	-	-	-					
		53%	55%	57%	58%	58%	-	-	57%	-	-	-	-	57%	-	-	57%	-	-	-	-	57%	-	-	57%	-	-	-					

※1 自社調べ（輸入電池含まず）  
 \*1 In-house research (excluding imported batteries)  
 ※2 2018年度は集計範囲変更のためデータはございません。  
 \*2 There is no data for FY2018 due to a change in the scope of calculations. Accordingly, the figures for fiscal 2018 have been reclassified to reflect the revised segment categories.

グローバルシェア	Global Share																											
自動車	Automobiles																											
全世界	Global	8%	8%	8%	8%	8%	-	-	-	-	-	-	-	8%	-	-	-	-	-	-	-	7%	-	-	-	-	-	-
アセアン	Asean	39%	37%	35%	34%	37%	-	-	-	-	-	-	-	37%	-	-	-	-	-	-	-	35%	-	-	-	-	-	-
うちタイ	/Thailand	45%	41%	34%	37%	37%	-	-	-	-	-	-	-	36%	-	-	-	-	-	-	-	37%	-	-	-	-	-	-
うちインドネシア	/Indonesia	71%	67%	70%	65%	73%	-	-	-	-	-	-	-	74%	-	-	-	-	-	-	-	74%	-	-	-	-	-	-
うちベトナム	/Vietnam	34%	32%	35%	38%	39%	-	-	-	-	-	-	-	37%	-	-	-	-	-	-	-	38%	-	-	-	-	-	-
オートバイ	Motorcycles																											
全世界	Global	22%	19%	18%	17%	18%	-	-	-	-	-	-	-	17%	-	-	-	-	-	-	-	15%	-	-	-	-	-	-
アセアン	Asean	52%	50%	51%	48%	51%	-	-	-	-	-	-	-	50%	-	-	-	-	-	-	-	50%	-	-	-	-	-	-
うちタイ	/Thailand	34%	-	32%	35%	26%	-	-	-	-	-	-	-	25%	-	-	-	-	-	-	-	29%	-	-	-	-	-	-
うちインドネシア	/Indonesia	80%	70%	76%	69%	84%	-	-	-	-	-	-	-	81%	-	-	-	-	-	-	-	80%	-	-	-	-	-	-
うちベトナム	/Vietnam	49%	43%	52%	54%	52%	-	-	-	-	-	-	-	56%	-	-	-	-	-	-	-	57%	-	-	-	-	-	-

※1 自社調べ  
 \*1 In-house research  
 ※2 2018年度オートバイのタイは集計範囲変更のためデータはございません。  
 \*2 There is no data for motorcycles in Thailand in fiscal 2018 due to a change in the scope of collection.





市場データ/Market data		FY17	FY18	FY19	FY20	FY21	FY22								FY23								FY24						
		実績 Actual	実績 Actual	実績 Actual	実績 Actual	実績 Actual	実績 Actual								実績 Actual								実績 Actual			予想 Forecast			
		Full	Full	Full	Full	Full	1Q	2Q	1st H	3Q	3Q total	4Q	2nd H	Full	1Q	2Q	1st H	3Q	3Q total	4Q	2nd H	Full	1Q	2Q	1st H	As of May 10		As of Nov 6	
日本自動車工業会	JAMA																												
世界自動車保有台数 (台)	Number of global automobiles owned																												
乗用車	Passenger cars	1,015,643,207	-	1,083,527,536	1,109,785,827	1,134,056,475	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
バス	Truck/Bus	357,763,944	-	408,517,067	425,470,331	437,245,137	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
グローバル合計	Global Total	1,373,407,151	-	1,492,044,603	1,535,256,158	1,571,301,612	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
(前年対比)	(Year-on-year comparison)	-	-	-	102.9%	102.3%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		

※参考：一般財団法人日本自動車工業会 日本の自動車工業 (<https://www.jama.or.jp/library/publish/index.html#carindustry>)

\*Japan Automobile Manufacturers Association Motor Industry of Japan (<https://www.jama.or.jp/english/reports/mioj.html>)

※上記日本自動車工業会のデータにおけるFYは1～12月です。

\*The FY in the above JAMA data is January to December.

日本自動車販売協会連合会	Japan Automobile dealers association																											
国内燃料別登録台数 (台)	Domestic registration numbers by fuel																											
ガソリン	Gasoline	-	-	1,497,861	1,363,152	1,067,228	207,570	231,303	438,873	216,127	655,000	287,855	503,982	942,855	217,365	234,919	452,284	208,305	660,589	190,564	398,869	851,153	192,391	216,724	409,115	-	-	-
ハイブリッド	Hybrid	-	-	1,031,449	946,259	1,033,216	214,443	269,852	484,295	296,277	780,572	412,547	708,824	1,193,119	325,676	348,267	673,943	373,644	1,047,587	425,021	798,665	1,472,608	336,918	384,800	721,718	-	-	-
(前年対比)	(Year-on-year comparison)	-	-	-	91.7%	109.2%	99.2%	105.4%	102.6%	117.3%	107.7%	133.7%	126.3%	115.5%	151.9%	129.1%	139.2%	126.1%	134.2%	103.0%	112.7%	123.4%	103.5%	110.5%	107.1%	-	-	-
プラグインハイブリッド	Plug-in Hybrid	-	-	17,076	16,775	27,067	8,528	11,633	20,161	7,275	27,436	12,465	19,740	39,901	12,698	14,534	27,232	12,446	39,678	13,385	25,831	53,063	8,195	9,496	17,691	-	-	-
EV	EV	-	-	19,476	14,379	24,154	6,561	7,482	14,043	9,358	23,401	12,158	21,516	35,559	10,699	10,618	21,317	10,516	31,833	8,494	19,010	40,327	7,248	9,103	16,351	-	-	-
(前年対比)	(Year-on-year comparison)	-	-	-	73.8%	168.0%	203.1%	114.1%	143.5%	151.5%	146.6%	148.4%	149.8%	147.2%	163.1%	141.9%	151.8%	112.4%	136.0%	69.9%	88.4%	113.4%	67.7%	85.7%	76.7%	-	-	-
その他	Others	-	-	167,842	154,898	134,924	22,492	32,342	54,834	30,861	85,695	44,096	74,957	129,791	33,168	34,433	67,601	34,988	102,589	27,181	62,169	129,770	24,705	30,344	55,049	-	-	-
全車種合計	Total for all vehicles	-	-	2,733,704	2,495,463	2,286,589	459,594	552,612	1,012,206	559,898	1,572,104	769,121	1,329,019	2,341,225	599,606	642,771	1,242,377	639,899	1,882,276	664,645	1,304,544	2,546,921	569,457	650,467	1,219,924	-	-	-
(前年対比)	(Year-on-year comparison)	-	-	-	91.3%	91.6%	84.1%	99.0%	91.6%	105.5%	96.1%	118.1%	112.5%	102.4%	130.5%	116.3%	122.7%	114.3%	119.7%	86.4%	98.2%	108.8%	95.0%	101.2%	98.2%	-	-	-

※参考：一般財団法人日本自動車販売協会連合会 統計データ (<https://www.jada.or.jp/pages/342/>)

\*Japan Automobile dealers association statistical data (<https://www.jada.or.jp/pages/342/>)

日本産業車両協会	Japan industrial vehicles association																											
国内フォークリフト生産台数 (台)	Domestic forklift production volume																											
バッテリー式	Battery type	55,790	59,808	59,432	56,970	63,191	16,303	16,420	32,723	18,103	50,826	16,685	34,788	67,511	16,924	16,855	33,779	16,909	50,688	14,872	31,781	65,560	16,412	16,379	32,791	-	-	-
(バッテリー式比率)	(Battery-powered ratio)	48.0%	49.0%	53.1%	54.1%	51.5%	53.5%	52.5%	53.0%	53.9%	53.3%	59.4%	56.4%	54.7%	64.4%	65.8%	65.1%	67.1%	65.8%	66.1%	66.6%	65.8%	66.7%	66.8%	66.7%	-	-	-
エンジン式	Engine type	60,414	62,300	52,487	48,387	59,488	14,171	14,875	29,046	15,499	44,545	11,387	26,886	55,932	9,354	8,749	18,103	8,289	26,392	7,632	15,921	34,024	8,188	8,149	16,337	-	-	-
フォークリフト合計	Forklift total	116,204	122,108	111,919	105,357	122,679	30,474	31,295	61,769	33,602	95,371	28,072	61,674	123,443	26,278	25,604	51,882	25,198	77,080	22,504	47,702	99,584	24,600	24,528	49,128	-	-	-
(前年対比)	(Year-on-year comparison)	105.7%	105.1%	91.7%	94.1%	116.4%	102.0%	106.7%	104.3%	104.2%	104.3%	89.9%	97.2%	100.6%	86.2%	81.8%	84.0%	75.0%	80.8%	80.2%	77.3%	80.7%	93.6%	95.8%	94.7%	-	-	-

※参考：一般財団法人日本産業車両協会 統計資料 (<http://www.jiva.or.jp/data.html>)

\*Japan industrial vehicles association data sheets (<http://www.jiva.or.jp/data.html>)

(億円、100 million yen)

その他補足資料/Other supplementary materials	FY17 実績 Actual	FY18 実績 Actual	FY19 実績 Actual	FY20 実績 Actual	FY21 実績 Actual	FY22										FY23										FY24								
						実績 Actual										実績 Actual										実績 Actual			予想 Forecast					
																													As of May 10			As of Nov 6		
						Full	Full	Full	Full	Full	1Q	2Q	1st H	3Q	3Q total	4Q	2nd H	Full	1Q	2Q	1st H	3Q	3Q total	4Q	2nd H	Full	1Q	2Q	1st H	1st H	Full	Full		
設備投資	Capital investment	152	215	182	232	286	55	84	139	59	198	130	189	328	87	64	152	151	303	191	342	494	83	200	282	-	800	700						
減価償却費	Depreciation	165	161	160	162	168	45	48	93	49	142	67	116	210	53	55	108	60	168	60	120	228	58	51	110	-	230	230						
研究開発費	Research and development expenses	112	99	95	112	124	30	34	64	33	97	29	62	126	30	28	58	25	84	56	82	140	42	45	88	-	160	160						
(売上高研究開発費率)	(Ratio of R&D expenses to net sales)	2.7%	2.4%	2.4%	2.9%	2.9%	2.7%	2.8%	2.7%	2.3%	2.6%	2.0%	2.2%	2.4%	2.5%	2.1%	2.3%	1.6%	2.0%	3.7%	2.7%	2.5%	3.3%	3.3%	3.3%	-	2.7%	2.7%						
鉛価格/為替 (期中平均レート)	Lead price / Exchange rate (Average)	Full	Full	Full	Full	Full	1Q	2Q	1st H	3Q	3Q total	4Q	2nd H	Full	1Q	2Q	1st H	3Q	3Q total	4Q	2nd H	Full	1Q	2Q	1st H	1st H	Full	Full						
国内鉛建値 (万円/t)	Domestic lead price quote (Ten thousand yen/t)	32.35	29.89	27.56	26.09	31.64	34.82	33.51	34.17	35.79	34.71	34.51	35.15	34.66	35.60	38.07	36.84	38.20	37.29	37.49	37.85	37.34	39.98	37.20	38.59	37.20	37.20	40.50						
LME (US\$/t)	LME (USD/t)	2,318	2,122	1,950	1,867	2,283	2,203	1,977	2,090	2,099	2,093	2,141	2,120	2,105	2,118	2,170	2,144	2,120	2,136	2,076	2,098	2,121	2,166	2,042	2,104	2,200	2,200	2,200						
為替 (US\$)	Exchange rate (USD)	112.04	111.07	108.96	105.94	113.04	131.25	139.35	135.30	139.95	136.85	133.45	136.70	136.00	139.63	145.59	142.61	146.12	143.78	149.90	148.01	145.31	158.24	146.66	152.45	150.00	145.00	155.00						
1株あたり配当金 (円)	Annual dividend per share (yen)	50	50	50	50	50	-	-	15	-	-	-	35	50	-	-	15	-	-	-	55	70	-	-	20	20	70	70						
配当性向 (%)	Payout ratio (%)	36.0%	30.4%	29.7%	35.2%	47.5%	-	-	-	-	-	-	28.9%	-	-	-	-	-	-	-	18.9%	-	-	-	-	27.0%	27.0%							
自己株式買入額	Acquisition of treasury shares	9	14	15	0	0	-	-	-	-	-	-	0	-	-	-	-	-	-	-	0	-	-	-	-	-	-	-						
総還元性向 (%)	Total return ratio (profit before amortization of goodwill) (%)	36.3%	34.3%	34.9%	29.8%	42.4%	-	-	-	-	-	-	27.9%	-	-	-	-	-	-	-	20.6%	-	-	-	-	26.5%	26.5%							
期末株価 (円)	End of Period Stock Price (yen)	2,900	2,171	1,454	3,000	2,341	-	-	-	-	-	-	2,382	-	-	-	-	-	-	-	3,146	-	-	-	-	-	-	-						
株価収益率	PER	20.88	13.18	8.64	21.14	22.25	-	-	-	-	-	-	13.76	-	-	-	-	-	-	-	8.51	-	-	-	-	-	-	-						
株価純資産倍率	PBR	1.36	1.00	0.67	1.20	0.87	-	-	-	-	-	-	0.83	-	-	-	-	-	-	-	0.96	-	-	-	-	-	-	-						
従業員数 (人)	Number of employees	14,585	14,217	13,542	13,305	13,571	-	-	14,521	-	-	-	14,317	-	-	14,074	-	-	-	-	12,892	-	-	12,672	-	-	-	-						

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参考：テクニカルレポート／Reference：Technical Report		内容	リンク（日本語サイトに飛びます／Jump to Japanese site）
第21巻・2024年発行	Volume 21, published in 2024		
第1号（2024年（令和6年）6月25日発行）	No.1 June 25, 2024	ニュースリリース・トピックなどはこちらから／Click here for news releases, topics, etc.	<a href="https://www.gs-yuasa.com/ip/technology/technical_report/vol21.php">https://www.gs-yuasa.com/ip/technology/technical_report/vol21.php</a>
総説	Review	宇宙用太陽電池の現状と今後の展望／Present and future of space solar cells in Japan	<a href="https://www.gs-yuasa.com/ip/technology/technical_report/pdf/vol21/021_01_001.pdf">https://www.gs-yuasa.com/ip/technology/technical_report/pdf/vol21/021_01_001.pdf</a>
報文	Bulletin	HEV用リチウムイオン電池EHW4SBの開発／Development of Li-ion cell EHW4SB for HEV	<a href="https://www.gs-yuasa.com/ip/technology/technical_report/pdf/vol21/021_01_007.pdf">https://www.gs-yuasa.com/ip/technology/technical_report/pdf/vol21/021_01_007.pdf</a>
第20巻・2023年発行	Volume 20, published in 2023		
第2号（2023年（令和5年）12月25日発行）	No.2 December 25, 2023	ニュースリリース・トピックなどはこちらから／Click here for news releases, topics, etc.	<a href="https://www.gs-yuasa.com/ip/technology/technical_report/vol20_2.php">https://www.gs-yuasa.com/ip/technology/technical_report/vol20_2.php</a>
総説	Review	カーボンニュートラル社会に向けたグリーン水素の製造技術／Production methods of green hydrogen for carbon neutral energy society	<a href="https://www.gs-yuasa.com/ip/technology/technical_report/pdf/vol20_2/020_02_001.pdf">https://www.gs-yuasa.com/ip/technology/technical_report/pdf/vol20_2/020_02_001.pdf</a>
報文	Bulletin	ユニット方式UPS“FULLBACK MLUシリーズ”の開発／Development of unit type UPS “FULLBACK MLU Series”	<a href="https://www.gs-yuasa.com/ip/technology/technical_report/pdf/vol20_2/020_02_007.pdf">https://www.gs-yuasa.com/ip/technology/technical_report/pdf/vol20_2/020_02_007.pdf</a>
		In-situ XRD 測定を活用したLi(Ni,Co,Al)O <sub>2</sub> /黒鉛系全固体電池の容量低下要因の解析／Analysis of the factors contributing to capacity fading in an all-solid-state Li(Ni,Co,Al)O <sub>2</sub> /graphite cell by means of in-situ XRD	<a href="https://www.gs-yuasa.com/ip/technology/technical_report/pdf/vol20_2/020_02_012.pdf">https://www.gs-yuasa.com/ip/technology/technical_report/pdf/vol20_2/020_02_012.pdf</a>
第1号（2023年（令和5年）6月23日発行）	No.1 June 23, 2023	ニュースリリース・トピックなどはこちらから／Click here for news releases, topics, etc.	<a href="https://www.gs-yuasa.com/ip/technology/technical_report/vol20.php">https://www.gs-yuasa.com/ip/technology/technical_report/vol20.php</a>
総説	Review	表面修飾による電池材料の高性能化／Improving Battery Material Performances by Surface Modification	<a href="https://www.gs-yuasa.com/ip/technology/technical_report/pdf/vol20/020_01_001.pdf">https://www.gs-yuasa.com/ip/technology/technical_report/pdf/vol20/020_01_001.pdf</a>
報文	Bulletin	高効率AC-DC モジュールの製品化／Commercialization of high-efficiency AC-DC modules	<a href="https://www.gs-yuasa.com/ip/technology/technical_report/pdf/vol20/020_01_009.pdf">https://www.gs-yuasa.com/ip/technology/technical_report/pdf/vol20/020_01_009.pdf</a>
		触媒デバイスを搭載した自動車用EN 型液式鉛蓄電池の開発／Development of Automotive Flooded Lead-acid Batteries for European Norm Type with Catalytic Device	<a href="https://www.gs-yuasa.com/ip/technology/technical_report/pdf/vol20/020_01_014.pdf">https://www.gs-yuasa.com/ip/technology/technical_report/pdf/vol20/020_01_014.pdf</a>
		SiO 負極を備える400 Wh kg <sup>-1</sup> 級高エネルギー密度リチウムイオン電池の開発／Development of 400 Wh kg <sup>-1</sup> Class High Energy Density Lithium Ion Batteries with SiO Negative Electrode	<a href="https://www.gs-yuasa.com/ip/technology/technical_report/pdf/vol20/020_01_021.pdf">https://www.gs-yuasa.com/ip/technology/technical_report/pdf/vol20/020_01_021.pdf</a>
第19巻・2022年発行	Volume 19, published in 2022		
第2号（2022年（令和4年）12月23日発行）	No.2 December 23, 2022	ニュースリリース・トピックなどはこちらから／Click here for news releases, topics, etc.	<a href="https://www.gs-yuasa.com/ip/technology/technical_report/vol19_2.php">https://www.gs-yuasa.com/ip/technology/technical_report/vol19_2.php</a>
総説	Review	表面活性化接合によるX on diamond 構造／X on Diamond Structures Fabricated Using Surface Activated Bonding Technologies	<a href="https://www.gs-yuasa.com/ip/technology/technical_report/pdf/vol19_2/019_02_001.pdf">https://www.gs-yuasa.com/ip/technology/technical_report/pdf/vol19_2/019_02_001.pdf</a>
報文	Bulletin	コンテナ式LEPS-2 蓄電システムの開発／Development of container type LEPS-2 energy storage system	<a href="https://www.gs-yuasa.com/ip/technology/technical_report/pdf/vol19_2/019_02_010.pdf">https://www.gs-yuasa.com/ip/technology/technical_report/pdf/vol19_2/019_02_010.pdf</a>
		機能性フィラーをもちいたアンダーコートによるリチウムイオン電池の安全化技術の開発／Development of Safety Technology for Li-ion Batteries by Undercoat Layer Containing Functional Filler	<a href="https://www.gs-yuasa.com/ip/technology/technical_report/pdf/vol19_2/019_02_017.pdf">https://www.gs-yuasa.com/ip/technology/technical_report/pdf/vol19_2/019_02_017.pdf</a>
		リチウムイオン電池用ホウ素ドーパカーボン負極の開発／Development of Boron-Doped Carbon Negative Electrodes for Lithium Ion Batteries	<a href="https://www.gs-yuasa.com/ip/technology/technical_report/pdf/vol19_2/019_02_023.pdf">https://www.gs-yuasa.com/ip/technology/technical_report/pdf/vol19_2/019_02_023.pdf</a>
第1号（2022年（令和4年）6月24日発行）	No.1 June 24, 2022	ニュースリリース・トピックなどはこちらから／Click here for news releases, topics, etc.	<a href="https://www.gs-yuasa.com/ip/technology/technical_report/vol19.php">https://www.gs-yuasa.com/ip/technology/technical_report/vol19.php</a>
総説	Review	材料シミュレーションによる金属リチウムとガーネット型固体電解質界面の構造評価／Characterization of the interface between metallic lithium and garnet-type solid electrolyte by first-principles calculations	<a href="https://www.gs-yuasa.com/ip/technology/technical_report/pdf/vol19/019_01_001.pdf">https://www.gs-yuasa.com/ip/technology/technical_report/pdf/vol19/019_01_001.pdf</a>
報文	Bulletin	LiPF <sub>6</sub> 系電解液におけるリン酸エステルの生成メカニズムの解明／Clarification of formation mechanism of phosphate esters in LiPF <sub>6</sub> -based electrolyte	<a href="https://www.gs-yuasa.com/ip/technology/technical_report/pdf/vol19/019_01_008.pdf">https://www.gs-yuasa.com/ip/technology/technical_report/pdf/vol19/019_01_008.pdf</a>
		SiO負極を備える300 Wh kg <sup>-1</sup> 級高エネルギー密度リチウムイオン電池の開発／Development of 300 Wh kg <sup>-1</sup> Class High Energy Density Lithium Ion Batteries with SiO Negative Electrode	<a href="https://www.gs-yuasa.com/ip/technology/technical_report/pdf/vol19/019_01_017.pdf">https://www.gs-yuasa.com/ip/technology/technical_report/pdf/vol19/019_01_017.pdf</a>
		内部短絡時安全性の定量的評価手法の開発／Quantitative safety evaluation for internal short-circuit	<a href="https://www.gs-yuasa.com/ip/technology/technical_report/pdf/vol19/019_01_024.pdf">https://www.gs-yuasa.com/ip/technology/technical_report/pdf/vol19/019_01_024.pdf</a>
第18巻・2021年発行	Volume 18, published in 2021		
第2号（2021年（令和3年）12月24日発行）	No.2 December 24, 2021	ニュースリリース・トピックなどはこちらから／Click here for news releases, topics, etc.	<a href="https://www.gs-yuasa.com/ip/technology/technical_report/vol18_2.php">https://www.gs-yuasa.com/ip/technology/technical_report/vol18_2.php</a>
第1号（2021年（令和3年）6月25日発行）	No.1 June 25, 2021	ニュースリリース・トピックなどはこちらから／Click here for news releases, topics, etc.	<a href="https://www.gs-yuasa.com/ip/technology/technical_report/vol18.php">https://www.gs-yuasa.com/ip/technology/technical_report/vol18.php</a>
第17巻・2020年発行	Volume 17, published in 2020		
第2号（2020年（令和2年）12月25日発行）	No.2 December 25, 2020	ニュースリリース・トピックなどはこちらから／Click here for news releases, topics, etc.	<a href="https://www.gs-yuasa.com/ip/technology/technical_report/vol17_2.php">https://www.gs-yuasa.com/ip/technology/technical_report/vol17_2.php</a>
第1号（2020年（令和2年）6月25日発行）	No.1 June 25, 2020	ニュースリリース・トピックなどはこちらから／Click here for news releases, topics, etc.	<a href="https://www.gs-yuasa.com/ip/technology/technical_report/vol17.php">https://www.gs-yuasa.com/ip/technology/technical_report/vol17.php</a>
第16巻・2019年発行	Volume 16, published in 2019		
第2号（2019年（平成31年）12月25日発行）	No.2 December 25, 2019	ニュースリリース・トピックなどはこちらから／Click here for news releases, topics, etc.	<a href="https://www.gs-yuasa.com/ip/technology/technical_report/vol16_2.php">https://www.gs-yuasa.com/ip/technology/technical_report/vol16_2.php</a>
第1号（2019年（平成31年）6月25日発行）	No.1 June 25, 2019	ニュースリリース・トピックなどはこちらから／Click here for news releases, topics, etc.	<a href="https://www.gs-yuasa.com/ip/technology/technical_report/vol16.php">https://www.gs-yuasa.com/ip/technology/technical_report/vol16.php</a>
第15巻・2018年発行	Volume 15, published in 2018		
第2号（2018年（平成30年）12月25日発行）	No.2 December 25, 2018	ニュースリリース・トピックなどはこちらから／Click here for news releases, topics, etc.	<a href="https://www.gs-yuasa.com/ip/technology/technical_report/vol15_2.php">https://www.gs-yuasa.com/ip/technology/technical_report/vol15_2.php</a>
第1号（2018年（平成30年）6月25日発行）	No.1 June 25, 2018	ニュースリリース・トピックなどはこちらから／Click here for news releases, topics, etc.	<a href="https://www.gs-yuasa.com/ip/technology/technical_report/vol15.php">https://www.gs-yuasa.com/ip/technology/technical_report/vol15.php</a>
第14巻・2017年発行	Volume 14, published in 2017		
第2号（2017年（平成29年）12月25日発行）	No.2 December 25, 2017	ニュースリリース・トピックなどはこちらから／Click here for news releases, topics, etc.	<a href="https://www.gs-yuasa.com/ip/technology/technical_report/vol14_2.php">https://www.gs-yuasa.com/ip/technology/technical_report/vol14_2.php</a>
第1号（2017年（平成29年）6月28日発行）	No.1 June 28, 2017	ニュースリリース・トピックなどはこちらから／Click here for news releases, topics, etc.	<a href="https://www.gs-yuasa.com/ip/technology/technical_report/vol14.php">https://www.gs-yuasa.com/ip/technology/technical_report/vol14.php</a>