

Stationary Energy Storage Failure Events

This table tracks utility and C&I scale energy storage failure events with publicly available information.

Note: Missing values in this table reflect unknowns.

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Location	Energy (MWh)	Power (MW)	Module Type	Application	Installation	Event Date	System Age (yr)	State During Accident	Source
China, Hainan	50	25	Ruipu	Solar Integration		20 October 2022	0	Commissioning	<div></div>
US, CA, Moss Landing	730	182.5	Tesla	Energy Shifting, Ancillary Services	Substation	20 September 2022	0.5	Operational	KSBW News
South Korea, Incheon		103		Energy Shifting	Factory	6 September 2022		Operational	Teller Report
US, CA, Rio Dell			Lead Acid	Solar Integration / Backup	Rural	3 August 2022	4	Operational	KRCR

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US, AZ, Chandler	40	10	LG Chem [NMC]		Substation	18 April 2022	3	Operational	AZ Central
US, CA, Valley Center	560	140	LG Energy Solution		Substation	5 April 2022	0.2	Operational	Valley Road Runner
Longjing, Taichung City, Taiwan	1	1		Solar Integration	Power Plant	30 March 2022	2	Operational	Economic Daily News
US, CA, Moss Landing	400	100	LG Energy Solution	Solar Integration	Power Plant	13 February 2022	1	Operational	KSBW News
South Korea, Gunwi-gun, Gyeongsangbuk-do	1.5	0.45	LG Energy Solution	Solar integration	Rural	17 January 2022	3	Operation. Fully charged	E2News
South Korea, Nam-gu, Ulsan	50	10	SK Innovation	Peak Load Reduction	Urban	12 January 2022	2	Operational	E2News

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US, CA, Moss Landing	1,200	300	LG Energy Solution	Solar Integration	Power Plant	4 September 2021	0.8		Vistra
Australia, Victoria, Geelong	450	300	Tesla	Grid Stability	Rural	30 July 2021	0	Construction, Commissioning	ABC News
US, IL, LaSalle	12.2	31.5	BYD	Frequency Regulation	Rural	19 July 2021	6.2		The Times
Germany, Neuhausen	5	5	[LFP]	Solar Integration and Frequency Regulation	Indoor/Hangar	18 July 2021	5		RBB 24
Boulouparis, New Caledonia, France				Solar Integration	Rural	13 July 2021			
US, MI, Standish				Demand Charge Mgmt	Substation	19 April 2021	0	Installation	WSGW
China, Beijing	25		Gotion High-Tech [LFP]	Solar Integration	Commerce Area	16 April 2021	2	Construction, Commissioning	CTIF Accident Analysis

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Australia, Bohle Plains	8	4	Tesla			7 April 2021	1.2		Townsville Bulletin
South Korea, Hongseong			LG Energy Solution	Solar Integration		6 April 2021	3		Business Korea
Gogyeong-myeon, Gyeongsangbuk-do, South Korea	4		LG Energy Solution	Solar Integration		11 March 2021			Newspim
France, Ariege	0.5	0.5			Substation	1 December 2020			
UK, Liverpool	10	20	LG Chem [NMC]	Frequency Regulation	Substation	15 September 2020	1.5		Energy Storage News
South Korea, Haenam	1.8	0.5		Solar Integration	Field	27 May 2020	2.2		
Australia, Brisbane			[LFP]	Solar Integration		17 March 2020	6.7		Brisbane Times

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South Korea, North Jeolla, Jangsu	1			Solar Integration	Mountains	26 May 2019	1	Charged, discharging	MOTIE Investigation, June 2019
South Korea, North Gyeongsang, Chilgok	3.7			Solar Integration	Mountains	4 May 2019	2.2	Charged, inactive	MOTIE Investigation, June 2019
US, AZ, Surprise	2	2	LG Chem [NMC]	Volt Reg., PQ, Solar int.	Substation	19 April 2019	2		APS
US, OR, Tualatin			Powin Energy	Manufacturing/Testing		11 April 2019	0		Oregon Live
South Korea, Ulsan	46.8			Demand Charge Mgmt	Factory	21 January 2019	0.6	Charged, inactive	MOTIE Investigation, June 2019
South Korea, North Jeolla, Jangsu	2.5			Solar Integration	Mountains	15 January 2019	0.8	Charged, inactive	MOTIE Investigation, June 2019

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South Korea, South Gyeongsangnam, Yangsan	3.3			Demand Charge Mgmt	Factory	14 January 2019	0.8	Charged, inactive	MOTIE Investigation, June 2019
South Korea, South Jeolla, Wando	5.2			Solar Integration	Mountains	14 January 2019	1.2	Charging	MOTIE Investigation, June 2019
South Korea, Gangwon, Samcheok	2.7			Solar Integration	Mountains	22 December 2018	1	Charged, inactive	MOTIE Investigation, June 2019
South Korea, North Chungcheong, Jecheon	9.3			Demand Charge Mgmt	Mountains	17 December 2018	1	Charged, inactive	MOTIE Investigation, June 2019
South Korea, South Gyeongsang, Geochang	1.3			Solar Integration	Mountains	21 November 2018	0.6	Charged, inactive	MOTIE Investigation, June 2019
South Korea, Gyeongsangbuk-do, Mungyeong	4.2			Solar Integration	Mountains	21 November 2018	0.9	Charged, inactive	MOTIE Investigation, June 2019

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South Korea, North Gyeongsang, Yeongju	3.7			Solar Integration	Mountains	12 November 2018	0.8	Charged, inactive	MOTIE Investigation, June 2019
South Korea, South Chungcheong, Cheonan	1.2			Solar Integration	Mountains	12 November 2018	0.9	Charged, inactive	MOTIE Investigation, June 2019
South Korea, Gyeonggi, Yongin	17.7			Frequency Regulation	Factory	18 October 2018	2.6	Maintenance	MOTIE Investigation, June 2019
South Korea, Jeju	0.2			Solar Integration		14 September 2018	4	Charging	MOTIE Investigation, June 2019
South Korea, Chungcheongnam, Taean	6			Solar Integration	Waterfront	7 September 2018	0	Installation	MOTIE Investigation, June 2019
South Korea, Chungcheongbuk-do, Yeongdong	6			Solar Integration	Mountains	1 September 2018	0.7	Charged, inactive	MOTIE Investigation, June 2019

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South Korea, Sejong	18			Demand Charge Mgmt	Factory	28 July 2018	0	Installation	MOTIE Investigation, June 2019
South Korea, South Gyeongsang, Geochang	9.7			Wind Integration	Mountains	21 July 2018	1.6	Charged, inactive	MOTIE Investigation, June 2019
South Korea, South Jeolla, Haenam	3			Solar Integration	Waterfront	12 July 2018	0.6	Charged, inactive	MOTIE Investigation, June 2019
South Korea, North Jeolla, Gunsan	19			Solar Integration	Waterfront	15 June 2018	0.5	Charged, inactive	MOTIE Investigation, June 2019
South Korea, South Jeolla, Yeongam	14			Wind Integration	Mountains	2 June 2018	2.4	Maintenance	MOTIE Investigation, June 2019
South Korea, North Gyeongsang, Gyeongsan	8.6			Frequency Regulation	Mountains	2 May 2018	1.8	Maintenance	MOTIE Investigation, June 2019

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Belgium, Drogenbos		6		Frequency Regulation	Research Park	11 November 2017			GTM
South Korea, North Jeolla, Gochang	1.5			Wind Integration	Waterfront	2 August 2017	0	Installation	MOTIE Investigation, June 2019