

## Summary of Achievements of Grid Connected Projects

<b>Asia</b>					
No.	Project Name List	Year	Scale	GPS coordinates	Project Type
1	Optical storage micro-grid project provides electricity to 34 villages without electricity	2015	PWS1-100kW PWG2-50kW	Yushu, China	Optical Storage Microgrid
2	EPC of the second batch of photovoltaic poverty alleviation (Phase I and Phase II) construction projects in Shucheng County, Anhui Province in 2016	2016	46.678 MW	Latitude: 31.502626° Longitude: 116.954762°	Supporting the poor
3	University of Hong Kong and power grid support projects	2016	PWG2-50kW	Hong Kong, China	Power grid
4	Lithium iron phosphate battery 200kWh Power supply for local art galleries	2016	PWS1-100kW	Chongming Island, China	Grid & battery
5	Lithium iron phosphate, 30kWh Used in the Smart Grid Project of the Metropolitan Electricity Authority of Thailand	2016	150kW optical storage integrated machine	BKK, Thailand	Power grid, photovoltaic
6	The photovoltaic storage and charging container project is used to maximize the utilization of photovoltaics and reduce the impact on the power grid.	2016	Lithium iron phosphate, 300kWh	Xi angtan, China	Power grid, photovoltaic
7	10-foot energy storage container for virtual synchronization of China Southern Power Grid Step machine demonstration project.	2016	Lithium iron phosphate, 50kWh	Dongguan, China	Power grid
8	Yu'an District in 2017,74 village poor households centralized joint construction of photovoltaic power station construction project section 01	2017	1.8 MW	Latitude: 31.760274° Longitude: 116.257160°	Village-level poverty alleviation power stations
9	2017 Centralized photovoltaic power station construction project of poor villages in Yu'an District (Section 1)	2017	0.7 MW	Latitude: 31.760274° Longitude: 116.257160°	Supporting the poor
10	Yu'an District in 2017 poor households centralized photovoltaic power station construction project (bid section 4)	2017	3.9 MW	Latitude: 31.710880° Longitude: 116.253561°	Supporting the poor
11	EPC general contract of 2017 photovoltaic power generation poverty	2017	3.6 MW	Latitude: 31.447699°	Supporting the poor

	alleviation project construction project in Jin 'an District, Lu' an City			Longitude: 116.695531°	
12	The 40-foot container system supplies power to the factory load	2017	Lithium iron phosphate, 1MWh	Yancheng, China	Power grid
13	Ten-branch peak cutting and valley filling project	2017	Ternary lithium battery 700kWh	Jiangsu, China	Power grid
14	40-foot container peak shaving and valley filling application project	2017	Ternary lithium battery 1MWh	Jiangxi, China	Power grid
15	Pure off-grid engineering project, energy storage is local Village power supply, generator as backup power source	2017	Lithium iron phosphate battery 340kWh+170kWh	Japan	Photovoltaic & Diesel Engine
16	Saudi 10MW solar tracker Project	2017	10MW	Saudi	solar tracker Project
17	Qingdao China South Korea 1.43MWp Island Distributed Photovoltaic Power Station Project	2018	1.43 MW	Latitude: 36.134011° Longitude: 120.454156°	Island roof is distributed
18	Qingdao Yulong 4.81MWp Island Distributed Photovoltaic Power Station Project	2018	4.81 MW	Latitude: 36.063557° Longitude: 120.389550°	Island roof is distributed
19	Top strong Wang Tianhong 6 MWp distributed photovoltaic power generation project	2018	6 MW	Latitude: 34.127614° Longitude: 117.163097°	Roof distributed
20	Cascade regeneration lithium iron phosphate battery Application of four-branch road cascade using peak cutting and valley filling	2018	PWS1-250kW	Zhuhai, China	Power grid
21	Application of peak-shaving and valley-filling of 8 branch energy storage power stations in the industrial park	2018	PWG2-50kW	Suzhou, China	Power grid, photovoltaic
22	Wuxi Municipal Optical Storage and Charging Microgrid Demonstration Project, seamlessly switched between parallel and off-grid, as a backup power supply.	2018	Lithium iron phosphate, 300kWh	Wuxi, China	Power grid, photovoltaic
23	3 sets of 40-foot storage.The container can be used for peak shaving and valley filling and emergency power backup	2018	Lithium iron phosphate 4.5MWh	Jiangyin, China	Power grid, battery
24	Leoch Battery Park Demonstration Project	2018	Lithium iron phosphate 576kWh	Jiangyin, China	Power grid, battery

25	Two 30KW energy storage converters are drooped and paralleled for use in parks District Demonstration Project	2018	Lithium iron phosphate 200kWh	Hangzhou, China	Power grid
26	Used for teaching demonstration on the Zhejiang University campus	2018	Lithium iron phosphate 400kWh	Hangzhou, China	Power grid, battery
27	User side peak cutting and valley filling energy storage power station	2018	Lead-acid batteries 24MWh	Zhenjiang, China	Power grid, batter
28	Application of ensuring power supply and peak-shaving and valley filling in gym	2018	Lithium iron phosphate 400kWh	Jiuquan, China	Power grid, battery
29	Application of ensuring power supply and peak-shaving and valley filling in gym	2018	Lithium iron phosphate 500kWh	Shangri-La	Power grid, battery
30	Henan 100 MW energy storage power station, State Grid 10kV storage Energy power station application.	2018	100MW	Henan, China	Power grid
31	micro-grid formed by solar fuel storage supplies electricity to the local villages without electricity. The children laughed so happily because the villages were electrified.	2018	Lithium iron phosphate 160kWh	Myanmar	Diesel engine &60kW photovoltaic
32	The first grid-connected project in Qidong, Jiangsu, application of 4 branch roads for peak cutting and valley filling.	2018	Lithium iron phosphate 1MWh	Qidong, China	Power grid, battery
33	Tunnel energy storage, backup power supply for peak-shaving and valley-filling applications	2018	Lithium iron phosphate 200kWh	Qidong, China	Power grid, battery
34	Provide backup power for the office building to ensure that there is no power interruption during work	2018	Lithium iron phosphate 160kWh	Shenzhen, China	Power grid, battery
35	Energy Storage Power Station with 4 Branches in Industrial Park-Application of Peak Cutting and Valley Filling	2018	Lithium iron phosphate 2MWh	Wenling, China	Power grid, battery
36	The project is located in Beijing and is used to cut peaks and fill valleys	2018	Lithium iron phosphate 500kWh	Beijing, China	Power grid, battery
37	Wind and solar storage and charging smart micro-grid project to create a zero-consumption sun room	2018	Lithium iron phosphate 160kWh	Tianjin, China	Power grid, battery
38	Optical storage microgrid project of Shanghai University of Electric	2018	PWG2-100kW/150kW	Shanghai, China	Photovoltaics batteries,

	Power, multi-energy complementary		PWS2-100KW		super capacitors
39	China Southern Power Grid's first 5MW/10MWh grid-connected project	2018	Lithium iron phosphate 10MWh	Shenzhen, China	Power grid, battery
40	Photovoltaic energy storage demonstration power station	2018	Lithium iron phosphate 100kWh	Changzhou, China	Power grid, battery
41	Weifang Jincheng Aluminum Industry 3.25 MWp distributed photovoltaic power station project	2019	3.25 MW	Latitude: 36.499366° Longitude: 118.566830°	Roof distributed
42	Weifang Jincheng Aluminum Industry 3.25 MWp distributed photovoltaic power station project	2019	3.25 MW	Latitude: 36.499366° Longitude: 118.566830°	Roof distributed
43	Weifang Milan Window 2.76 MWp distributed photovoltaic power station project	2019	2.76 MW	Weifang, China	Roof distributed
44	Wind Power Smoothing-Wind Storage Project	2019	Lithium iron phosphate 460kWh	Zhangjiakou, China	Power grid, battery
45	The deep-medium channel offshore project, the 40-foot energy storage container system	2019	Lithium iron phosphate 1MWh	zhongshan, China	Diesel engine
46	Park Optica IStorage Demonstration Project	2019	Lithium iron phosphate 1MWh	Zhengzhou, China	Power grid, Photovoltaic, battery
47	Used for three-station integration to ensure power supply, taking into account peak-shaving and valley-filling	2019	Lithium iron phosphate 200kWh	Heilongjiang , China	Power grid, Photovoltaic
48	The first State Grid optical storage and charging demonstration project in Northeast China has become a unique landscape of Dalian	2019	Lithium iron phosphate 525kWh	Dalian, China	Power grid, battery
49	A gas storage project- The largest project in China's user's side power, the largest project of China's user-side capacity	2019	45MW / 139.32MWH	Guangdong Zhuhai	Power grid, battery
50	Energy storage project in an industrial park	2019	1.12MW/3.46MWh	Zhuhai, Guangdong	Power grid, battery
51	Energy Storage Project of a Sanitary Ware Enterprise	2019	750kW/2307kWh	Foshan, Guangdong	Power grid, battery

52	4 MW HCPV Dual-Axis Tracker project	2019	4 MW	Golmud, Qinghai, China	Solar Tracker
53	Thailand 6MW Water Tracker Power Station	2019	6 MW	Thailand	Solar Tracker
54	Shandong Zaozhuang Xuzhuang Town Mishangsheng Village 20MW Photovoltaic Power Station Project	2020	20 MW	Latitude: 35.056043° Longitude: 117.586017°	Ground
55	Weifang Haimo Machinery 5.17MWp Distributed Photovoltaic Power Station Project	2020	5.17 MW	Latitude: 36.612310° Longitude: 119.152771°	Roof distributed
56	Quzhou Xuecun Refrigeration 5.10 MWp distributed photovoltaic power station project	2020	5.1 MW	Latitude: 28.945814° Longitude: 118.883089°	Roof distributed
57	Kaifeng Tongxu County 3.72 MWp distributed photovoltaic power station project	2020	3.72 MW	Latitude: 34.488466° Longitude: 114.467822°	Roof distributed
58	Jiangsu Baoying Baosheng construction of 3.5MW distributed photovoltaic power generation project	2020	3.5 MW	Latitude: 33.107025° Longitude: 119.411107°	Roof distributed
59	Jiangsu Huida Trade 3.35 MWp distributed photovoltaic power generation project	2020	3.35 MW	Latitude: 32.524092° Longitude: 119.869913°	Roof distributed
60	Zhongsen Green Energy Shandong mineralization 10MW (6MW) rooftop distributed photovoltaic power generation project	2020	6 MW	Beijing, China	Roof distributed
61	Dingxing County Xinyang New Energy Technology Co., LTD. 5.5MW distributed photovoltaic power generation project	2020	5.5 MW	Dingxing County	Roof distributed
62	Dongtai Lanjing Photovoltaic Co., LTD. Yongjian stainless steel products 2MW distributed photovoltaic power generation project	2020	2 MW	China	Roof distributed
63	Yucheng County Photovoltaic poverty alleviation village-level power station Project (bid Section 2)	2020	3 MW	Latitude: 34.520972° Longitude: 116.192406°	Village-level poverty alleviation power stations

64	Haichen Park Energy Storage Project	2020	560kW/1.72MWh energy storage system	Xiamen, Fujian	Power grid, battery
65	Photovoltaic energy storage project of a photovoltaic enterprise	2020	2MW PV+4MW/8MWh	Xiamen, Fujian	Power grid, battery
66	Energy Storage Project of an Abrasives Processing Enterprise	2020	50kW/143kWh	Xiamen, Fujian	Power grid, battery
67	Energy storage project of a chemical enterprise	2020	7.5MW/21.504MWh	Zhuhai, Guangdong	Power grid, battery
68	Energy Storage Project of a PCB Manufacturing Enterprise	2020	10MW/23.798MWh	Zhuhai, Guangdong	Power grid, battery
69	Linyi Boshang 6.48 MWp distributed photovoltaic power station project	2021	6.48 MW	Latitude: 37.206055° Longitude: 116.864062°	Roof distributed
70	Weifang National Technology 3.25MWp Distributed Photovoltaic Power Station Project	2021	3.25 MW	Latitude: 36.556940° Longitude: 120.128691°	Roof distributed
71	Dezhou Zhongmine Rubber 2.54 MWp distributed photovoltaic power station project	2021	2.54 MW	Latitude: 37.514505° Longitude: 116.334484°	Roof distributed
72	Chuzhou Zhongsen green energy 14.85MWp distributed photovoltaic power generation project	2021	14.85 MW	Latitude: 32.687836° Longitude: 119.008828°	Roof distributed
73	Zhongsen Green Energy Shandong mineralization 10MW (4MW) rooftop distributed photovoltaic power generation project	2021	4 MW	Beijing, China	Roof distributed
74	Guanyun Zhongsen Solar Energy Technology Co., LTD. Guanyun Small and Medium-sized Enterprise Park 2.93MW rooftop distributed photovoltaic power generation project	2021	2.93 MW	Latitude: 34.302567° Longitude: 119.250132°	Roof distributed
75	Lancheng Photovoltaic Technology Ausi 2 MWp distributed photovoltaic power generation project	2021	2 MW	Lancheng, China	Roof distributed
76	General Contracting of 20.96MW Photovoltaic Village-level Poverty Alleviation and Power Generation Project in Hequ County (Bid Section 3)	2021	7.05 MW	Latitude: 39.128411° Longitude: 111.376306°	Village-level poverty alleviation power stations
77	A commercial building energy storage project	2021	1250kW/3225kWh	Shenzhen, Guangdong	Power grid, battery

78	An incremental distribution network energy storage project	2021	5.45MW/17.62MWh energy storage	Xiamen, Fujian	Power grid, battery
79	Junying Village Optical Storage and Charging Integrated Microgrid Project	2021	220kWp PV + 300kW/645kWh energy storage	Xiamen, Fujian	Power grid, battery
80	Pakistan Gwadar Port Microgrid System Project	2021	1.998MWp photovoltaic system + 1MW/3.44MWh energy storage system	Pakistan	Photovoltaic power generation + energy storage backup
81	Optical storage and charging project of a gas station	2021	237.6kW photovoltaic + 250kW/860kWh energy storage + 5*120kW charging pile	Qingdao, Shandong	photovoltaic power generation + peak and valley arbitrage + charging pile
82	Optical storage project of a gas station	2021	70.4kW photovoltaic + 100kW/258kWh energy storage + 2*120kW+2*7kW charging pile	Jinan, Shandong	photovoltaic power generation + peak and valley arbitrage + charging pile
83	A new energy photovoltaic station supporting energy storage project	2021	60MW/120MWh energy storage	Zhangye, Gansu	Power grid, battery
84	Optical storage project of a container enterprise	2021	200kW/430kWh energy storage	Xiamen, Fujian	Power grid, battery
85	Shandong Zaozhuang Xuzhuang Town Mishan Village 10MW Photovoltaic Power Station Project	2022	10 MW	Latitude: 35.056043° Longitude: 117.586017°	Ground
86	Weifang Tractor 3.79MWp Distributed Photovoltaic Power Station Project	2022	3.79 MW	Weifang, Shandong	Roof distributed
87	Jinan Zhenwei Door Industry 2.5 MWp distributed photovoltaic power station project	2022	2.5 MW	Latitude: 36.682553° Longitude: 116.994507°	Roof distributed
88	Xuzhou Minshang Stone Market Management Co., LTD. Top 18 MWp distributed photovoltaic power station project	2022	18 MW	Latitude: 34.129380° Longitude: 117.163790°	Roof distributed
89	Xuzhou Shenxin Stone City 4.7 MWp distributed photovoltaic power station project	2022	4.7 MW	Latitude: 34.127614° Longitude:	Roof distributed



				117.163097°	
90	The 3.3MW distributed photovoltaic power generation project of Baoying Science and Technology Innovation Park in Yangzhou, Jiangsu Province	2022	3.3 MW	Latitude: 33.248007° Longitude: 119.355444°	Roof distributed
91	Texas Wilson Pipe industry 3.76MW distributed photovoltaic power generation project	2022	3.76 MW	Latitude: 37.432516° Longitude: 116.428470°	Roof distributed
92	Construction Contract of Liyang Virtue New Energy Technology Co., Ltd. (2.66MW)	2022	2.66 MW	Liyang, China	Roof distributed
93	Changzhou Liyang Feiyue Electromechanical 3MW self-use distributed photovoltaic power generation project	2022	3 MW	Latitude: 31.540219° Longitude: 119.573360°	Roof distributed
94	EPC General contract for 2*5.9MW Distributed Photovoltaic Power Generation Project of Yanggu Lianyi Heavy Industry Company	2022	11.8 MW	Latitude: 36.190500° Longitude: 115.845.131 °	Roof distributed
95	Yucheng County photovoltaic poverty alleviation village-level power station project (bid Section 6)	2022	1.8 MW	Latitude: 34.520972° Longitude: 116.192406°	Village-level poverty alleviation power stations
96	Shandong Energy Heavy Equipment Manufacturing Group Co., LTD. 49.95MW rooftop distributed photovoltaic power generation project target package 2, standard package 3	2022	10.11 MW	Latitude: 36.128084° Longitude: 117.106787°	Roof distributed BIPV project
97	A new energy solar energy storage project of a fishery-photovoltaic complementary power station	2022	13.8MW/27.52M Wh energy storage	Zaozhuang, Shandong	Power grid, battery
98	Myanmar 120MW Photovoltaic Tracker+Energy Storage Power Station Project	2023	120 MW	Myanmar	Photovoltaic tracker power station project
99	Bangladesh 50MW Tracker+Energy Storage Power Station Project	2023	50 MW	Bangladesh	Photovoltaic tracker power station project
<b>Africa</b>					



100	The project is owned by the Malawi government and supplies power to the local weak current areas.	2018	Lithium iron phosphate 100kWh	Marvela, Africa	Photovoltaic & diesel engine
101	Guinea 230kWh Container Energy Storage System	2019	0.23 MW	Guinea	Photovoltaic energy storage diesel engine project
102	Zimbabwe 23MW Fixed Support Photovoltaic Power Plant	2023	23 MW	Zimbabwe	Photovoltaic Power Plant
<b>Europe</b>					
103	1MWh lead carbon battery Provide a container optical storage system	2016	PWS1-150kW	Petersburg, UK	Grid +1MW photovoltaic
104	30KW/60kWh outdoor cabinet is used for factory transformer expansion	2019	Lithium iron phosphate 60kWh	Netherlands	Power grid, Photovoltaic
105	7.8 MW HZ-SC80 tracker PV power project	2020	7.8 MW	Naousa, Greece	Power grid, Photovoltaic
106	Bulgaria 0.15MWP tracker power station	2021	0.15 MW	Latitude: 41.8339909° Longitude: 26.0151157°	Solar tracker power station
107	Bulgaria 0.2MWP tracker power station	2021	0.2 MW	Latitude: 41.8105694° Longitude: 25.7713328°	Solar tracker power station
108	Bulgaria 8.84MW Tracker Power Plant Project	2022	8.84 MW	Bulgaria	Photovoltaic tracker power station project
109	Bulgaria 3.95MW Tracker Power Plant Project	2022	3.95 MW	Bulgaria	Photovoltaic tracker power station project
110	Bulgaria 1MWP tracker power station	2022	1 MW	Latitude: 43.7583226° Longitude: 26.6523657°	Solar tracker power station
111	Bulgaria 4.48MWP tracker power station	2022	4.48 MW	Latitude: 43.3550131° Longitude: 25.1754779°	Solar tracker power station
112	Bulgaria 1.05MWP tracker power station	2023	1.05 MW	Bulgaria	Solar tracker power station
113	Bulgaria 0.14MWP tracker power	2023	0.14 MW	Latitude:	Solar tracker

	station			42.4958581° Longitude: 26.2693398°	power station
<b>South America</b>					
114	Through partners in Latin America, two systems are currently in operation in Lima, Peru. Other projects are still in progress.	2017	Lithium iron phosphate battery 50kWh	Lima, Peru	Power grid
115	Brazil 10MW solar power station	2018	10MW	Brazil	Solar tracker power station
<b>North America</b>					
116	Used for demand-side response of movie theaters, this is the first private optical storage project in the United States	2018	Lithium iron phosphate, 750kWh	California Cathedral	Power grid, photovoltaic
117	Salt Lake City 2MW Tracker Power Station Project in the United States	2019	2 MW	Salt City Lake, USA	Photovoltaic tracker power station project