Summary of key solar-thermal power projects under construction & in progress in China

Omghais-henan DC Transmission Project of Original Hainan and Haisti Base (Bird Section 3) 100MW Tower Under construction 2024 Three Gorges Energy Haixi Base Gohmu Photovoltaic solar thermal project 100MW Tower Under construction 2023 Solar thermal multi-energy complementary and source network load storage integration project of 100MW Tower Under construction 2024 Haixi Delingha 2000/WW optical and heat storage integration and Haixi Peak Adjustment Center Base project 100MW Tower Under construction 2023 Jitis Base Lugu DC Baicheng 1400MW outbound transmission item 1-1 100MW Tower Under construction 2023 Jitis Base Lugu DC Baicheng 1400MW outbound transmission item 2-1 100MW Tower Under construction 2023 Three Photovoltaic pilot project 100MW Tower Under construction 2023 Three Photovoltaic pilot project 100MW Tower Under construction 2023 Three Photovoltaic pilot project 100MW Tower Under construction 2023 Three Photovoltaic pilot project 100MW Tower Under construction 2023 Three Photovoltaic pilot project 100MW Tower Under construction 2023 Golden Tower solar energy "100MW CSP+ demonstration project 100MW Tower Under construction 2023 Tibet 2024 2024 2024 2024 2024 2024 2024 2024 Tibet 2024	Locations	Projects	CSP installed capacity	technolog y roadmap	status	Planned commissi oning date
Opinghal-heman DC. Transmission Project of Opinghal Hasinan and Haish Base (Bid Section 3) 100MW Tower Under construction 2024 Three Gorges Energy Haish Base Golmud Photovoltaic solar thermal project 100MW Tower Under construction 2023 Solar thermal multi-energy complementary and source network load storage integration project of 100MW Tower Under construction 2024 Haish Delingha 2000/MV optical and heat storage integration and Haish Peak Adjustment Center Base project 100MW Tower Under construction 2023 Jilia Base Lugu DC Baicheng 1400MW outbound transmission item 1-1 100MW Tower Under construction 2023 Jisi Base Lugu DC Baicheng 1400MW outbound transmission item 2-1 100MW Tower Under construction 2023 The proposed project 100MW Tower Under construction 2023 The project 100MW Tower Under construction 2023 The project 100MW Tower Under construction 2023 The project 100MW Tower Under construction 2024 The project 100MW Tower Under c	Qinghai	Qinghai-henan DC Transmission Project of Qinghai Hainan and Haixi Base (Bid Section 1)	100MW	Tower	Preparation	2024
Three Gorges Energy Haisii Base Golmul Photovoltaic solar thermal project 100MW Tower Under construction 2023		Qinghai-henan DC Transmission Project of Qinghai Hainan and Haixi Base (Bid Section 2)	100MW	Tower	Preparation	2024
Solar thermal multi-energy complementary and source network load storage integration project of Republican County, Haihan Prefecture Hairi Delhigha 2000/NW optical and heat storage integration and Hairi Peak Adjustment Center Base project 100MW 10wer 100MF 10wer 10w		Qinghai-henan DC Transmission Project of Qinghai Hainan and Haixi Base (Bid Section 3)	100MW	Tower	Under construction	2024
Solar thermal multi-energy complementary and source network load storage integration project of Republican County, Haisin Delingha 2000MW optical and heat storage integration and Haisi Peak Adjustment Center Base project Jilia Jisi Base Lugu DC Baicheng 1400MW outbound transmission item 1-1 100MW Tower Under construction 2023 Jisi Base Lugu DC Baicheng 1400MW outbound transmission item 2-1 100MW Tower Under construction 2023 Aksai Huidong New Energy Co., LTD. 750MW CSP+ demonstration project 1100MW Tower Under construction 2023 Golden Tower solar energy '100MW CSP+ demonstration project 1100MW Tower Under construction 2023 Golden Tower solar energy '100MW CSP+ 600MW photovoltaic' project 1100MW Tower Under construction 2023 Golden Tower solar energy '100MW CSP+ 600MW photovoltaic' project 1100MW Tower Under construction 2023 Golden Tower solar energy '100MW CSP+ 600MW photovoltaic' project 1100MW Tower Under construction 2023 Under construction 2023 Golden Tower solar energy '100MW CSP+ 600MW photovoltaic' project 1100MW Tower Under construction 2023 Under construction 2024 Under construction		Three Gorges Energy Haixi Base Golmud Photovoltaic solar thermal project	100MW	Tower	Under construction	2023
Tibet Tibe			100MW	Tower	Under construction	2024
Julia Base Ligu DC Baicheng 1400MW outbound transmission item 2-1 100MW Tower 100MW CSP+ photovoltaic pilot project 100MW Linear Preparation 2023 Freshell 100MW Tower 100MW		project	200MW	Tower	Under construction	2024
Jink Base Lugu DC Baicheng 1400MW outbound transmission item 2-1 100MW Tower Under construction 2023	T:1:	Jixi Base Lugu DC Baicheng 1400MW outbound transmission item 1-1	100MW	Tower	Under construction	2023
Dumhuang 700MW CSP+ photovoltaic pilot project Yumen ENN 700MW CSP+ photovoltaic+ wind power demonstration project Aksai Huidong New Energy Co., LTD. 750MW CSP+ demonstration project Guazhou 700MW CSP+ photovoltaic+ wind power complementary demonstration project Guazhou 700MW CSP+ photovoltaic+ wind power complementary demonstration project Golden Tower solar energy "100MW CSP+ 600MW photovoltaic" project Tibet	Jiiii	Jixi Base Lugu DC Baicheng 1400MW outbound transmission item 2-1	100MW	Tower	Under construction	2023
Yumen ENN 700AW CSP+ photovoltaic+ wind power demonstration project 100MW Fresnel 2023	Gansu	Dunhuang 700MW CSP+ photovoltaic pilot project	100MW		Preparation	2023
Guazhou 700MW CSP+ photovoltaic+ wind power complementary demonstration project 100MW Tower Under construction 2023 Golden Tower solar energy *100MW CSP+600MW photovoltaic* project 100MW Tower Under construction 2023 Xizang Zabuye Salt Lake Green comprehensive development and utilization of ten thousand tons of battery-grade lithium carbonate energy supply project CGN Ali 150MW "Zero carbon" solar thermal storage demonstration project 50MW Trough Under construction 2024 Trough Under construction 2025 Trough Under construction 2024 Trough Under construction 2024 Xinhua Hydropower Co., LTD. Bozhou 100MW CSP+900MW PV project 100MW Tower Under construction 2024 Sdic Ruoqiang County 100MW CSP+900MW PV project 100MW Tower Under construction 2024 CSP+ V integration project of Zhejiang Thermal Power Construction Co., LTD., China Energy Construction Group CSP+PV integration project of Henan Electric Power Co., LTD Under construction 2024 Wusstone CSP+PV integration Project in Tokxun County, Turpan City 100MW Tower Under construction 2024 Under construction 2024 Hami North 900MW PV + 100MW CSP+9V* integrated clean energy demonstration project 100MW Tower Under construction 2024 Three Gorges New Energy Hami 1000MW "CSP+PV" integrated comprehensive energy demonstration project of China Energy Construction 2024 Under		Yumen ENN 700MW CSP+ photovoltaic+ wind power demonstration project	100MW		Under construction	2023
Golden Tower solar energy "100MW CSP+ 600MW photovoltaic" project 100MW Tower Under construction 2023			110MW	Tower	Under construction	2023
Xizang Zabuye Salt Lake Green comprehensive development and utilization of ten thousand tons of battery-grade lithium carbonate energy supply project CGN Ali 150MW "Zero carbon" solar thermal storage demonstration project "Solar thermal energy storage New Energy" integrated base project of Jinghe Xinhua New Energy Co., LTD Xinhua Hydropower Co., LTD. Bozhou 100MW CSP+900MW PV project 100MW Tower Under construction 2024 Xinjiang County 100MW CSP+900MW PV demonstration project in Ruoqiang County Sdic Ruoqiang County 100MW CSP+900MW PV project CSP+PV integration project of Zhejiang Thermal Power Construction Co., LTD., China Energy Construction Group CSP+PV integration project of Henan Electric Power Co., LTD Tangshan Haitai New Energy Technology Co., LTD. CSP+PV integration project in Tokxun County, Turpan City Datang Shicheng Zi 1000MW "CSP+PV" integrated clean energy demonstration project Hami North 900MW PV + 100MW CSP project Three Gorges New Energy Hami 1000MW "CSP+PV" integrated comprehensive energy demonstration project of China Energy Construction 100MW Tower Under construction 2024		Guazhou 700MW CSP+ photovoltaic+ wind power complementary demonstration project	100MW	Tower	Under construction	2023
Tibet battery-grade lithium carbonate energy supply project 2024		Golden Tower solar energy "100MW CSP+ 600MW photovoltaic" project	100MW	Tower	Under construction	2023
CGN Ali 150MW "Zero carbon" solar thermal storage demonstration project "Solar thermal energy storage New Energy" integrated base project of Jinghe Xinhua New Energy Co., LTD Xinhua Hydropower Co., LTD. Bozhou 100MW CSP+900MW PV project 100MW CSP + 900MW PV demonstration project in Ruoqiang County Sdic Ruoqiang County 100MW CSP+900MW PV project CSP+PV integration project of Zhejiang Thermal Power Construction Co., LTD., China Energy Construction Group CSP+PV integration project of Henan Electric Power Co., LTD Tangshan Haitai New Energy Technology Co., LTD. CSP+PV integration project in Tokxun County, Turpan City Datang Shicheng Zi 1000MW "CSP+PV" integrated clean energy demonstration project Hami North 900MW PV + 100MW CSP project Hami North 900MW PV + 100MW CSP project in Tokxun Complementary integrated comprehensive energy demonstration project of China Energy Construction 100MW undetermin ed Under construction 2024 100MW Tower Under construction 2024 100MW Under Construction 2024 100MW Tower Under construction 2024 100MW Under Construction 2024	Tibet		40MW		Under construction	2024
LTD 100MW 1 ower 100MW 1 ower 100MW 1 ower 100MW 1 ower 100MW 10			50MW		Under construction	2025
100MW CSP + 900MW PV demonstration project in Ruoqiang County Sdic Ruoqiang County 100MW CSP+900MW PV project CSP+ PV integration project of Zhejiang Thermal Power Construction Co., LTD., China Energy Construction Group CSP+PV integration project of Henan Electric Power Co., LTD Tangshan Haitai New Energy Technology Co., LTD. CSP+ PV integration project Wusstone CSP+ PV integration Project in Tokxun County, Turpan City Datang Shicheng Zi 1000MW "CSP+PV" integrated clean energy demonstration project Hami North 900MW PV + 100MW CSP project Three Gorges New Energy Hami 1000MW "CSP+PV" integrated comprehensive energy demonstration project of China Energy Construction Project Hami "light (heat) storage" multi-energy complementary integration green electricity demonstration project of China Energy Construction 2024 100MW Tower Under construction 2024 Under construction 2024 Under construction 2024 Under construction 2024 Preparation 2024 100MW Tower 100MW Under construction 2024	Xinjiang		100MW	Tower	Under construction	2024
Sdic Ruoqiang County 100MW CSP+900MW PV project CSP+PV integration project of Zhejiang Thermal Power Construction Co., LTD., China Energy Construction Group CSP+PV integration project of Henan Electric Power Co., LTD Tangshan Haitai New Energy Technology Co., LTD. CSP+ PV integration project Wusstone CSP+PV integration Project in Tokxun County, Turpan City Datang Shicheng Zi 1000MW "CSP+PV" integrated clean energy demonstration project Hami North 900MW PV + 100MW CSP project Three Gorges New Energy Hami 1000MW "CSP+PV" integrated comprehensive energy demonstration project (Hami "light (heat) storage" multi-energy complementary integration green electricity demonstration project of China Energy Construction 2024 100MW Tower Under construction 2024 100MW Tower Under construction 2024 100MW Tower Under construction 2024 100MW Tower Under construction 2024 100MW Tower Under construction 2024 100MW undetermin ed Under construction 2024 100MW Tower Under construction 2024 100MW Under construction 2024		Xinhua Hydropower Co., LTD. Bozhou 100MW CSP+900MW PV project	100MW	Tower	Under construction	2024
CSP+PV integration project of Zhejiang Thermal Power Construction Co., LTD., China Energy Construction Group CSP+PV integration project of Henan Electric Power Co., LTD Tangshan Haitai New Energy Technology Co., LTD. CSP+PV integration project Wusstone CSP+PV integration Project in Tokxun County, Turpan City Datang Shicheng Zi 1000MW "CSP+PV" integrated clean energy demonstration project Hami North 900MW PV + 100MW CSP project Three Gorges New Energy Hami 1000MW "CSP+PV" integrated comprehensive energy demonstration project in Hami "light (heat) storage" multi-energy complementary integration green electricity demonstration project of China Energy Construction 2024 Under construction 2024 Under construction 2024 100MW Tower 100MW Tower 100MW Tower 100MW Tower 100MW Tower 100MW Tower 100MW Under construction 2024		100MW CSP + 900MW PV demonstration project in Ruoqiang County	100MW	Tower	Under construction	2024
Construction Group CSP+PV integration project of Henan Electric Power Co., LTD Tangshan Haitai New Energy Technology Co., LTD. CSP+ PV integration project Wusstone CSP+ PV integration Project in Tokxun County, Turpan City Datang Shicheng Zi 1000MW "CSP+PV" integrated clean energy demonstration project Hami North 900MW PV + 100MW CSP project Three Gorges New Energy Hami 1000MW "CSP+PV" integrated comprehensive energy demonstration project Hami "light (heat) storage" multi-energy complementary integration green electricity demonstration project of China Energy Construction 2024 100MW undetermin ed 100MW Tower 100MW Tower 100MW Tower 100MW Tower 100MW undetermin ed 100MW undetermin		Sdic Ruoqiang County 100MW CSP+900MW PV project	100MW	Tower	Under construction	2024
Xinjiang Tangshan Haitai New Energy Technology Co., LTD. CSP+ PV integration project Wusstone CSP+ PV integration Project in Tokxun County, Turpan City Datang Shicheng Zi 1000MW "CSP+PV" integrated clean energy demonstration project Hami North 900MW PV + 100MW CSP project Three Gorges New Energy Hami 1000MW "CSP+PV" integrated comprehensive energy demonstration project Hami "light (heat) storage" multi-energy complementary integration green electricity demonstration project of China Energy Construction 2024 Under construction 2024			100MW	Tower	Under construction	2024
Xinjiang Tangshan Haitai New Energy Technology Co., LTD. CSP+ PV integration project 100MW ed Under construction 2024		CSP+PV integration project of Henan Electric Power Co., LTD	100MW		Under construction	2024
Datang Shicheng Zi 1000MW "CSP+PV" integrated clean energy demonstration project Hami North 900MW PV + 100MW CSP project Three Gorges New Energy Hami 1000MW "CSP+PV" integrated comprehensive energy demonstration project Hami "light (heat) storage" multi-energy complementary integration green electricity demonstration project of China Energy Construction 2024 Under construction 2024 Under construction 2024 Under construction 2024		Tangshan Haitai New Energy Technology Co., LTD. CSP+ PV integration project	100MW		Under construction	2024
Datang Shicheng Zi 1000MW "CSP+PV" integrated clean energy demonstration project Hami North 900MW PV + 100MW CSP project Three Gorges New Energy Hami 1000MW "CSP+PV" integrated comprehensive energy demonstration project Hami "light (heat) storage" multi-energy complementary integration green electricity demonstration project of China Energy Construction 2024 Preparation 2024 Under construction 2024 Under construction 2024 Under construction 2024		Wusstone CSP+ PV integration Project in Tokxun County, Turpan City	100MW	Tower	Under construction	2024
Three Gorges New Energy Hami 1000MW "CSP+PV" integrated comprehensive energy demonstration project Hami "light (heat) storage" multi-energy complementary integration green electricity demonstration project of China Energy Construction Under construction 2024 Under construction Under construction 2024		Datang Shicheng Zi 1000MW "CSP+PV" integrated clean energy demonstration project	100MW	1 1	Preparation	2024
project 100MW ed Under construction 2024 Hami "light (heat) storage" multi-energy complementary integration green electricity demonstration 100MW undetermin ed Under construction 2024		Hami North 900MW PV + 100MW CSP project	100MW	Tower	Under construction	2024
project of China Energy Construction ed Under construction 2024			100MW	1 1	Under construction	2024
Luneng Fukang multi-energy complementary (and new energy market-oriented grid connection) project 100MW Tower Under construction 2024			100MW	1 1	Under construction	2024
		Luneng Fukang multi-energy complementary (and new energy market-oriented grid connection) project	100MW	Tower	Under construction	2024