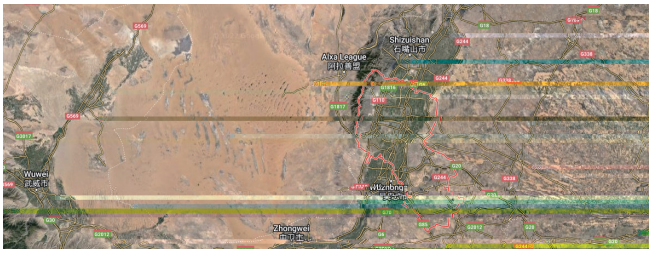
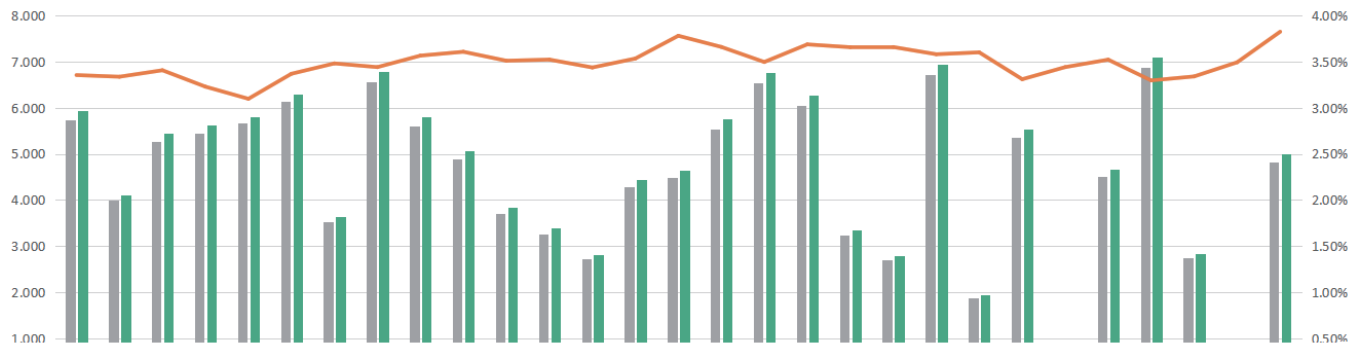
Energy yield compari on of N-TOPCon bifacial and PERC bifacial in Yinch an, Ningxia

An experimental study on the energy yield performance of TOPCon bifacial PV modules compared to PERC bifacial PV modules.



energy gain of TOPCon modules is significantly higher based

The panels are installed on adjustable mounting system with

	P-type Bifacial Module	N-type Bifacial Module
Module Type	JKM540M-72HL4-BDVP	JKM560N-72HL4-BDV
No. of Modules/string	10 pieces	10 pieces
Ground condition	Grass	
Mounting	Fixed adjustable tilted 40°	
Minimum standoff	1m(From module bottom to ground)	
Inverter	20RT-20	
Collection Frequency	Once a minute	
Generation per watt kWh/kW	baseline	+3.49%