FusionSolar / SmartDesign

Primaria_Siret_200KW

Address Sireți, Moldova

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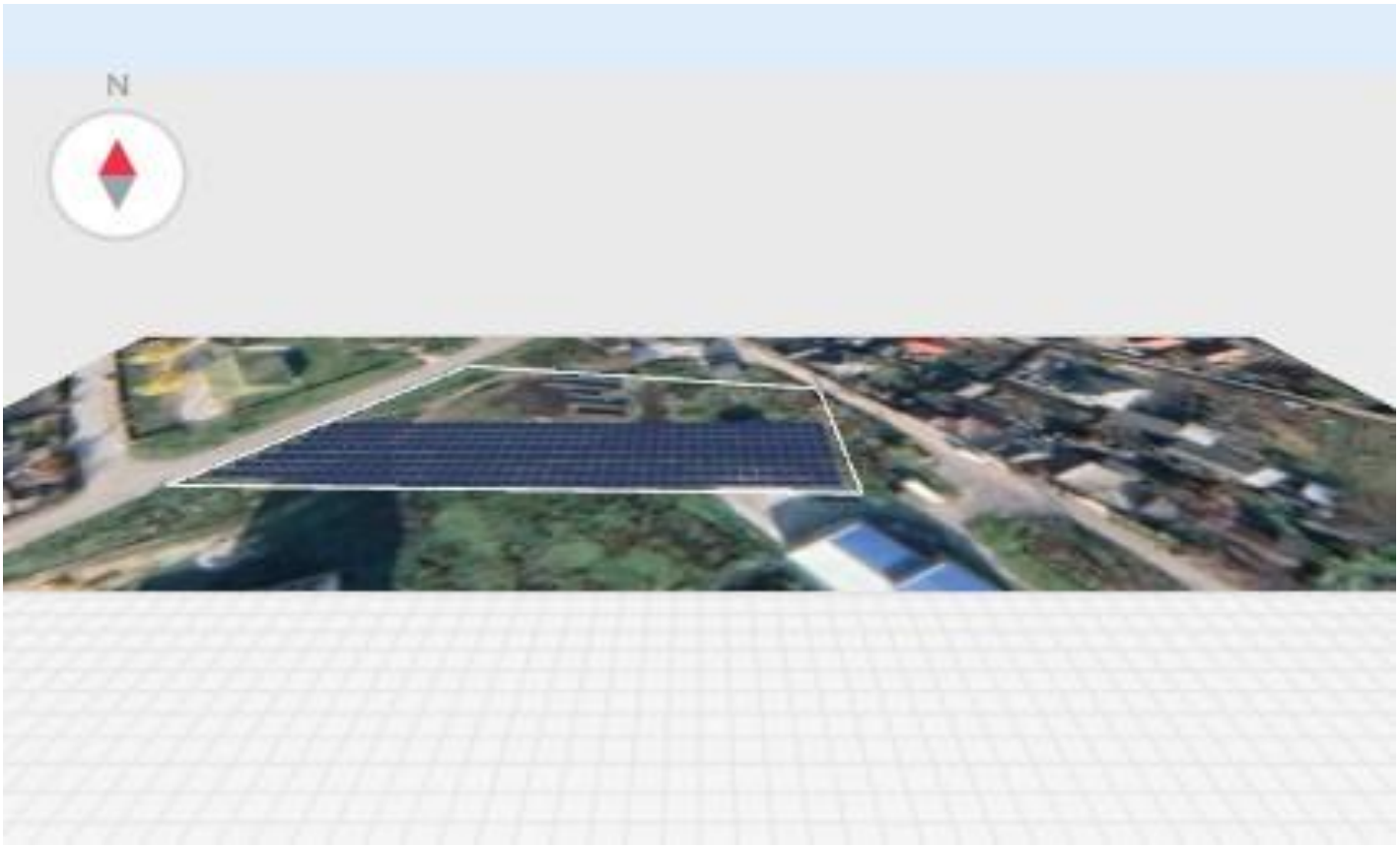
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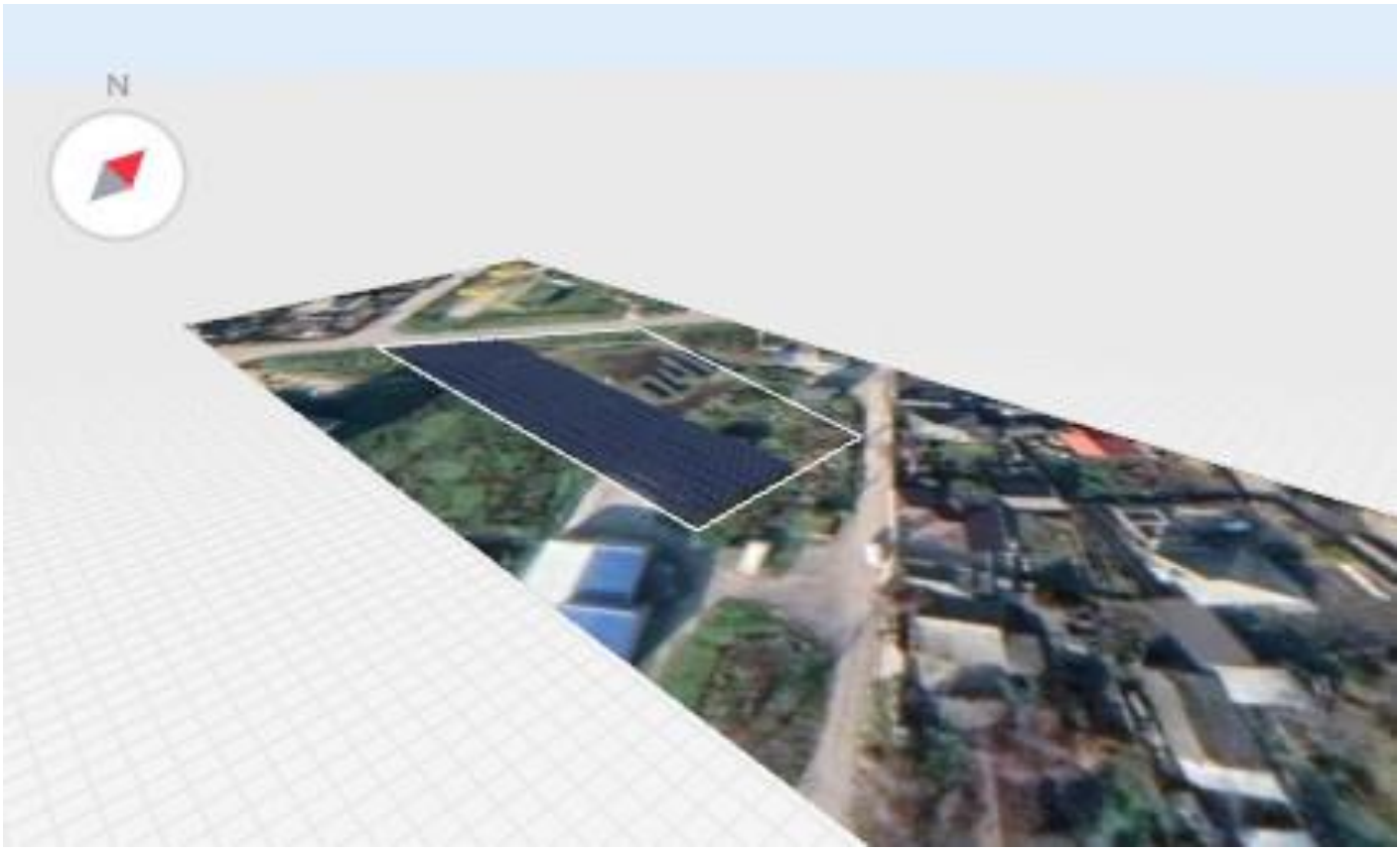
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Project Overview

System Capacity


PV System 212.09 kWp
AC Power 200 kW
Oversizing Ratio 106.05%

Devices

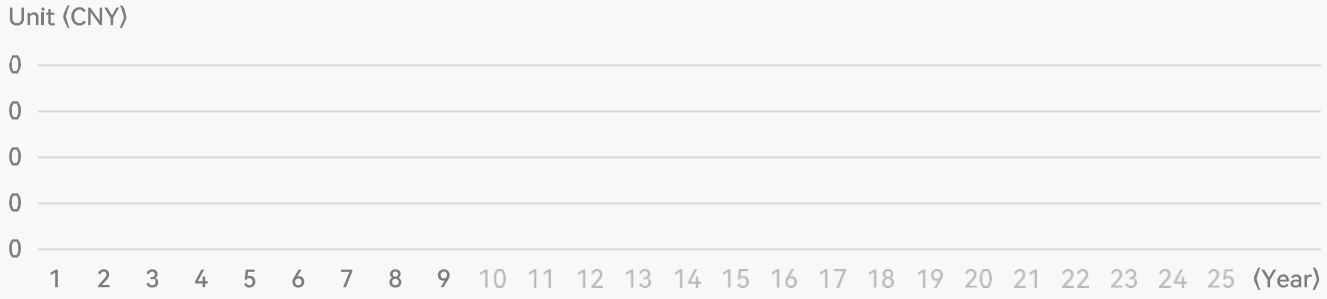
Device Name	Manufacturer/Model	Quantity
PV Module	 PEIMAR/OR12H635MNDB	334
Inverter	 SUN2000-100KTL-M2	2

Economic Benefits

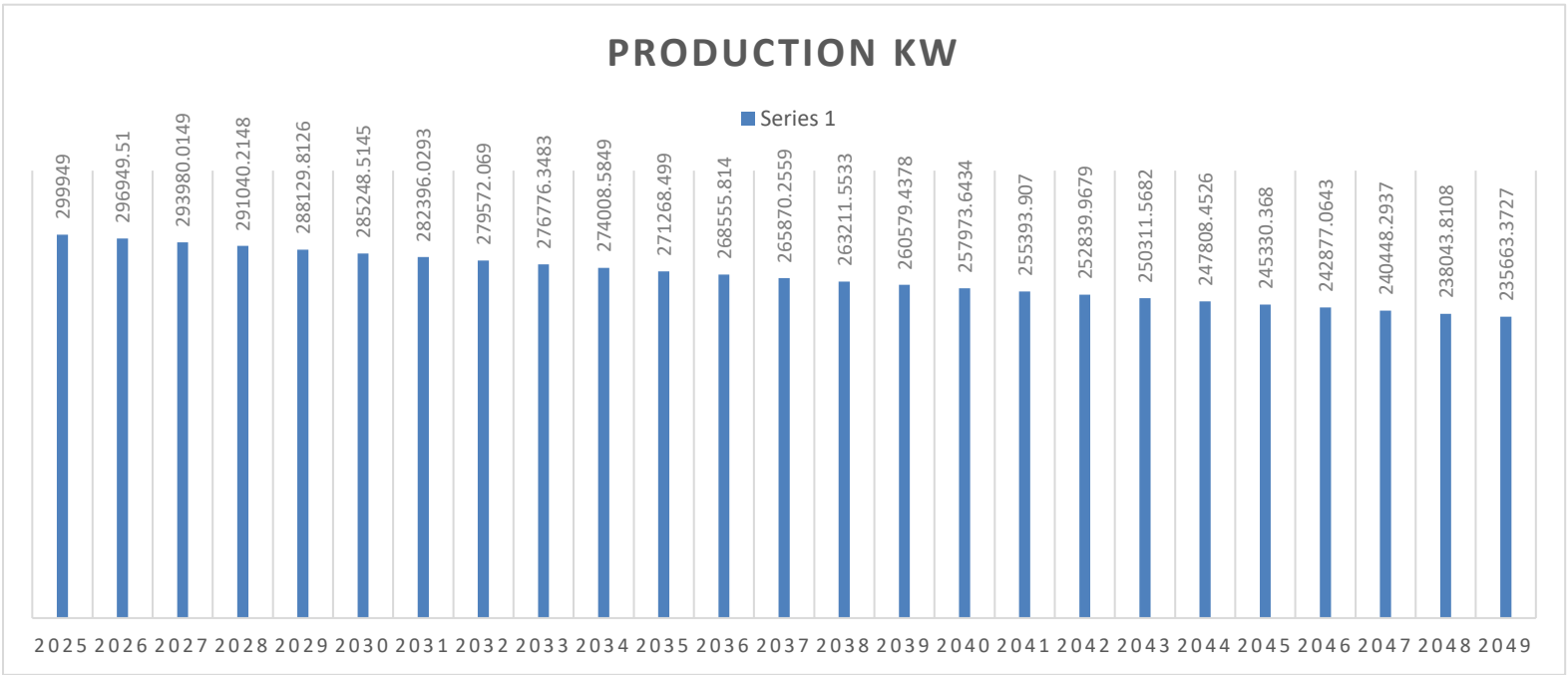
Accumulated Net Profits of 25 Years: 0 CNY

ROI Overview

0 CNY Initial Investment Cost	0 CNY Own Funds	0 CNY O&M Cost	0 CNY NPV
-100 % IRR	-- years Payback Period	0 CNY/kWh LCOE	



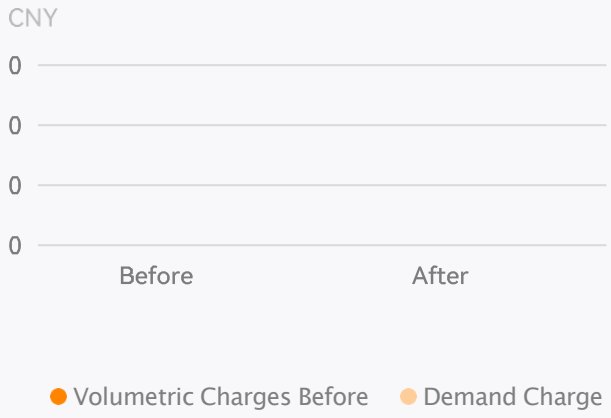
PRODUCTION ANNUAL



Electricity Bills Analysis

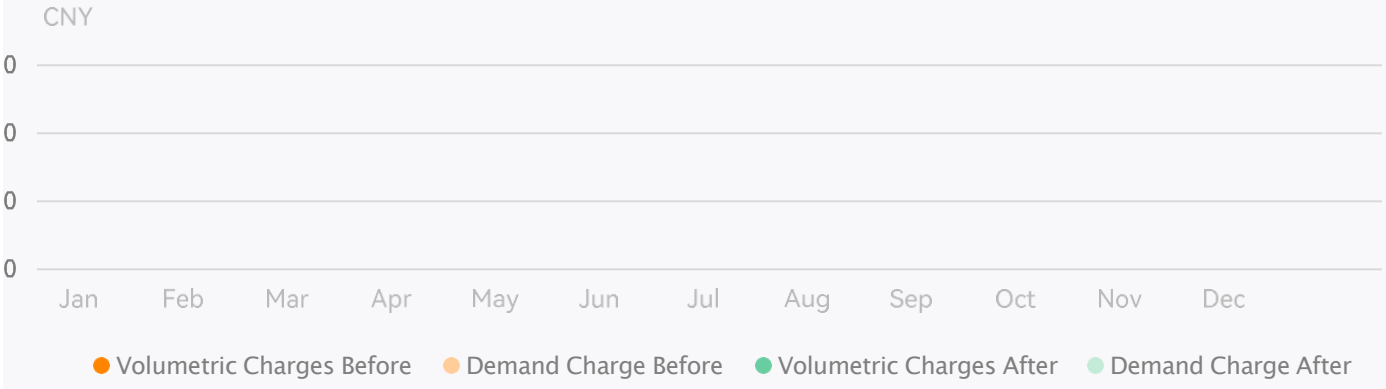
Total Electricity Fees Saved in the First Year 0 CNY

Annual Electricity Bills



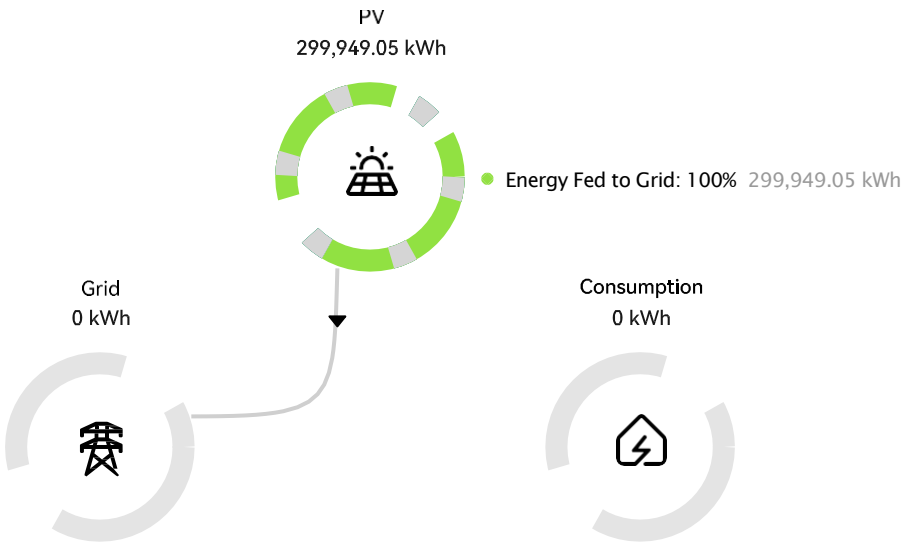
Description	Before (CNY)	After (CNY)
Annual Bill Savings	0	0
Annual Volumetric Charges	0	0
Annual Demand Charge	0	0

Monthly Electricity Bills

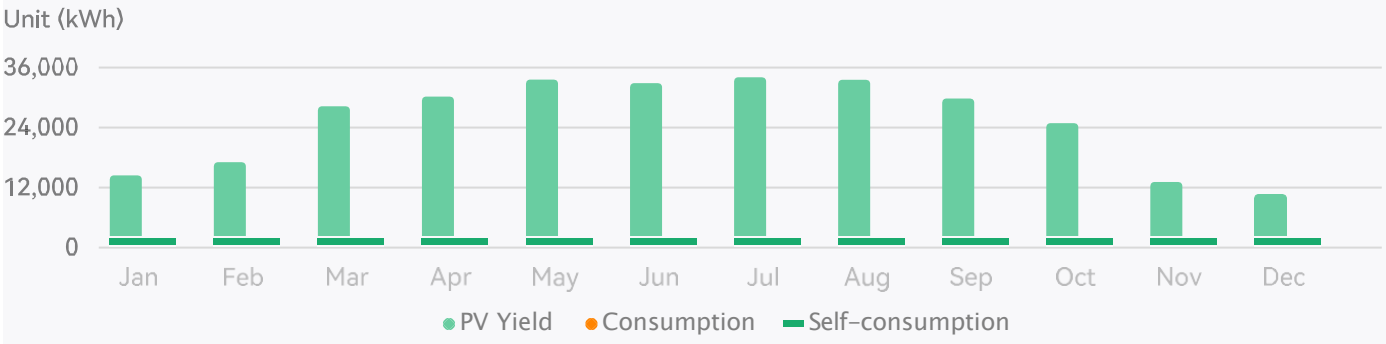


Energy Management

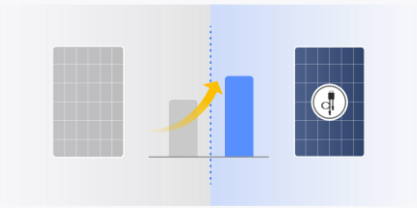
First-Year Data



Monthly Energy Consumption in the First Year



Optimizer Revenue



Higher Yield

Lower shading losses, flexible layout

Huawei optimizers enable flexible layout of PV modules and higher utilization of the rooftop area (even in shaded areas), maximizing capacity and improving the system energy yield.

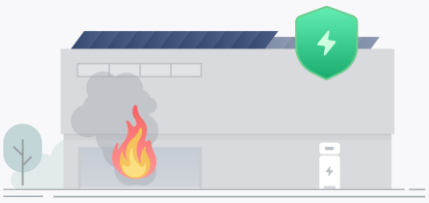
Revolutionary energy yield increase

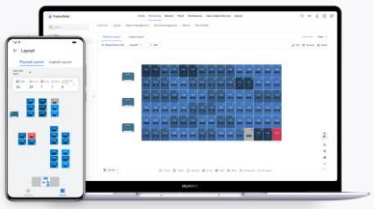
The unique module-level optimization solution dedicated for complex C&I rooftops maximizes the power of each module and unleashes the rooftop potential.

Active Safety

Safe roof

In case of emergencies such as a fire, the voltage of the rooftop PV modules can be rapidly shut down to 1 V, ensuring personal and property safety.



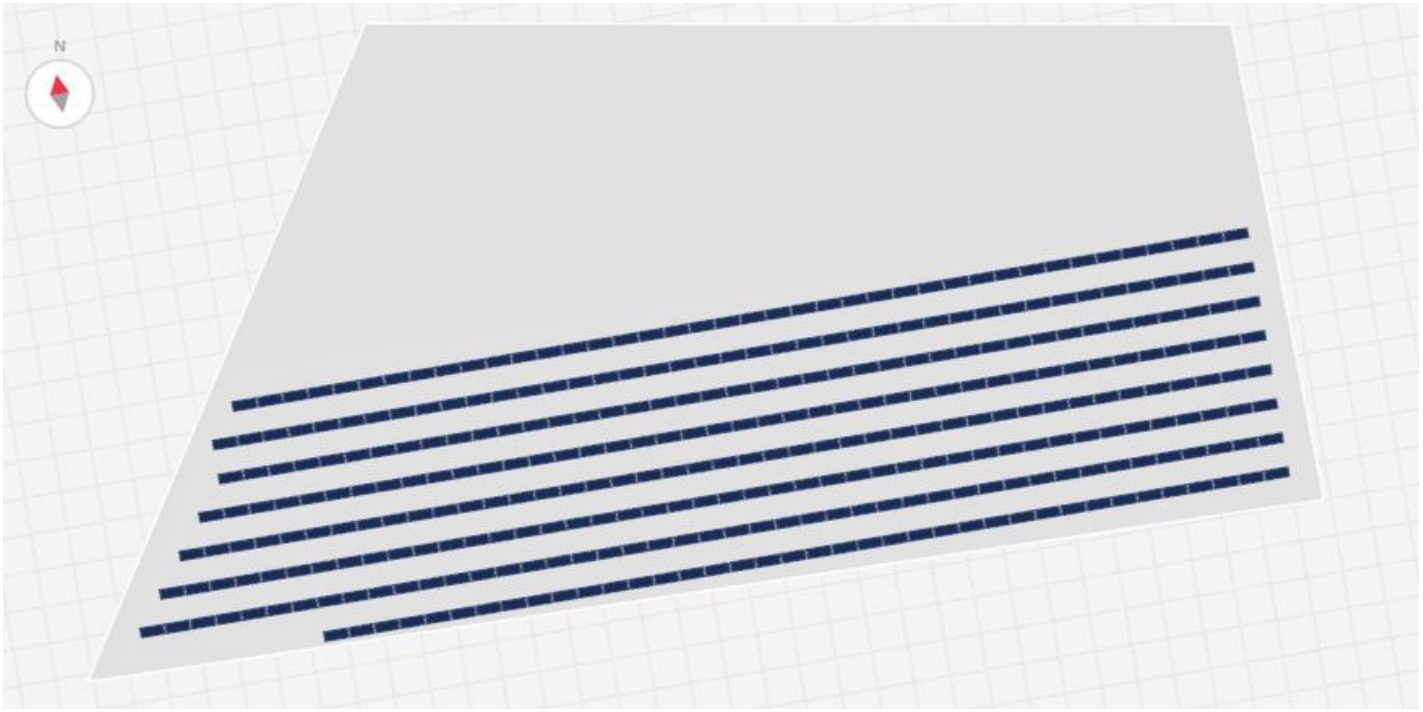


Intelligent O&M

Precise and time-saving fault demarcation

The FusionSolar app is available to view the energy yield of each PV module at any time and accurately locate faults with less inspection time to facilitate quick troubleshooting.

PV Module Layout Vacant Space1



Manufacturer/Model	Quantity	Azimuth	Absolute Tilt
PEIMAR/OR12H635MNDB	334	0°	44°

Electrical Connection

Inverter	MPPT	String	PV Module
# 1 SUN2000-100KTL-M2	MPPT1	String1	21
	MPPT2	String2	21
	MPPT3	String3	21
	MPPT4	String4	21
	MPPT5	String5	21
	MPPT6	String6	21
	MPPT7	String7	21
	MPPT8	String8	21
# 2 SUN2000-100KTL-M2	MPPT1	String1	20
	MPPT2	String2	20
	MPPT3	String3	21
	MPPT4	String4	21
	MPPT5	String5	21
	MPPT6	String6	21
	MPPT7	String7	21
	MPPT8	String8	21

System Loss Diagram

First-Year Environmental Benefits

130.31 tons
CO_2 Reduced

178
Equivalent Trees Planted

110 tons
Standard Coal Saved

Simulation Parameters

Time Zone	UTC +2:00
Weather Station	KISHINEV MD
Meteorological Data	Meteonorm
Grid Type	230 V/400 V
Plant Altitude	132 m