

Project name:Risen_RSM-72-330P
Project No. :

Location:Europe/Greece/Athinai
Grid voltage:400V(230V/400V)

System Overview

1515 × Risen Energy Co.Ltd RSM72-6-330M(PV1)
Azimuth:0° ,Tilt:27° ,Installation type:Ground installation,Peak power:499.95kWp

 7 × SUN2000-60KTL-M0

Technical Specifications

Total number of PV modules:	1512	Annual energy yield(approx.):	694.79MWh
Peak power:	498.96kWp	Available energy coefficient:	99.89%
Number of inverters:	7	Performance ratio(approx.):	82.1%
Rated AC power:	420.0kW	Specific energy(approx.):	1392.48kWh/kWp/year
DC/AC Ratio:	1.19	Cable loss(in % of PV energy):	1.03%
Number of optimizers:	N/A		

Signature

*Note: The displayed energy yield is an estimated value, and is calculated through a formula. SmartDesign is not liable for any difference between the actual energy yield and the displayed value. The difference depends on various conditions, such as the PV module stains or efficiency fluctuation.

Design evaluation

Location:Europe/Greece/Athinai

Lower temperature for Absolute Voltage limit:-20.0°C

Average temperature of the lowest temperature month of the year:6.64°C

Annual average temperature:19.28°C

Power Generation Unit

Average temperature of the highest temperature month of the year:32.4°C

Group1

7 X SUN2000-60KTL-M0

Peak power:	498.96kWp
Total number of PV modules:	1512
Number of inverters:	7
Max. AC active power($\cos\phi=1$):	60.0kW
Grid voltage:	400V(230V/400V)
DC/AC Ratio:	1.19



SUN2000-60KTL-M0

Input MPPT A:PV1

36 × Risen Energy Co.Ltd RSM72-6-330M, Azimuth:0° ,Tilt:27° , Installation type:Ground installation

Input MPPT B:PV1

36 × Risen Energy Co.Ltd RSM72-6-330M, Azimuth:0° ,Tilt:27° , Installation type:Ground installation

Input MPPT C:PV1

36 × Risen Energy Co.Ltd RSM72-6-330M, Azimuth:0° ,Tilt:27° , Installation type:Ground installation

Input MPPT D:PV1

36 × Risen Energy Co.Ltd RSM72-6-330M, Azimuth:0° ,Tilt:27° , Installation type:Ground installation

Input MPPT E:PV1

36 × Risen Energy Co.Ltd RSM72-6-330M, Azimuth:0° ,Tilt:27° , Installation type:Ground installation

Input MPPT F:PV1

36 × Risen Energy Co.Ltd RSM72-6-330M, Azimuth:0° ,Tilt:27° , Installation type:Ground installation

