

Solar Pro[®]

Photovoltaic System Simulation Software

Upgraded features of Solar Pro 4.7

Smoother operation is achieved by improving the display speed and expanding the automatic floor plan input function. In addition, slope objects are added the output report to enhance the simulation.

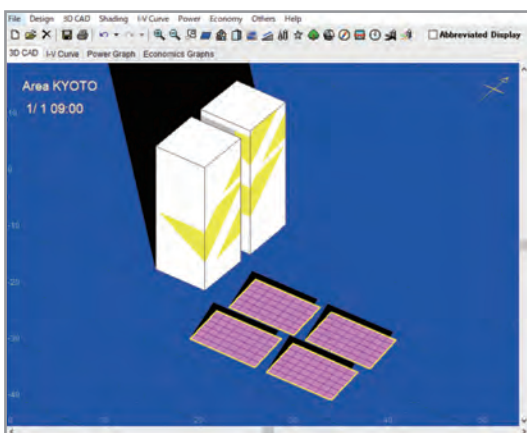
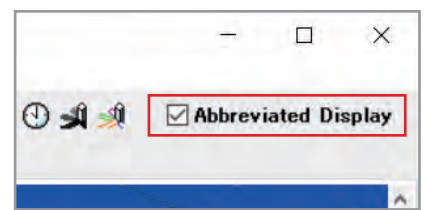


1. Improved display speed
2. Adding slope object
3. Expanded automatic layout function
4. Additional report output items

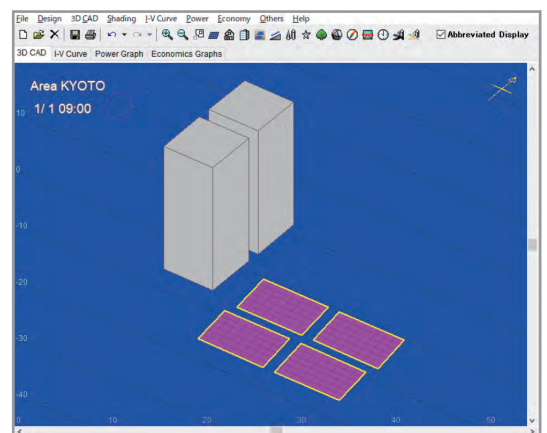
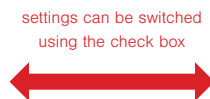
New features for effective simulation

1 Improved display speed

The display speed is improved by reducing the load (hiding shadows and light reflection) and improved processing of 3D CAD. Enabling and disabling of shadows and light reflection can be changed using the check box, the result considers shadows and light reflection even if it is disabled.



Shadow/reflected light display (normal)



No shadow/reflected light (low load)

2 Adding slope object

Users can add “slope” to the created objects. It is now possible to add complex terrain with slopes, and the floor plan function makes it easier to place panels on slopes.



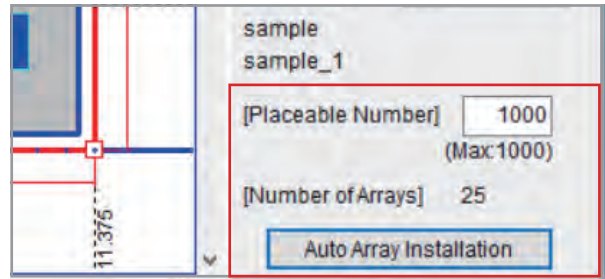
Slope object



Sample slope setting image

3 Expanded automatic layout function

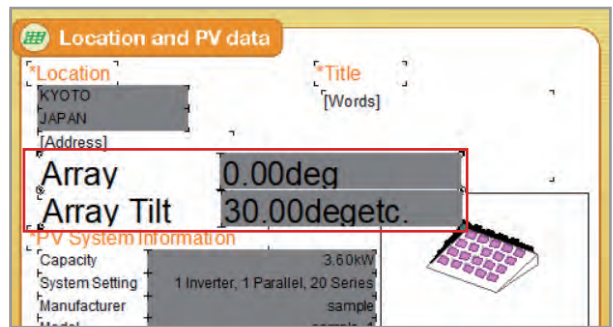
The number of placement restrictions when performing automatic or manual placement on the floor plan input screen has been increased from 400 to 1,000. In addition, the maximum number of placements can be set by the user, which allows for smoother placement of module arrays.



Floor plan input screen

4 Additional report output items

Integrated reports will also show the array azimuth and tilt. Since the set numerical values are entered automatically, it is reflected on the report.



Integrated report edit screen

System Requirements	OS : Windows 10 CPU : 1GHz (clock) or above Memory : 512MB or above Hard Disk : 1GB of available space Screen Resolution : 1,366x768 or above USB Port : USB 1.1 or higher	
Meteorological Data	Built-in Data	World 1,360 places, METPV-20, etc.
	Importable Data	Actual measured data, meteorom annual data (before 7.1) , SolarGIS (TMY data) NSRDB (SUNY 10-km gridded data), TMY 3 data, METPV-11, etc.
Solar Cell and Circuit Configuration	Cell Type	Mono-crystalline, Polycrystalline, Amorphous, Hybrid, HIT, CIS, CIGS
	Number of Modules	Up to 160,000 modules
	Inverter	Up to 400 inverters
	Max. Series-Parallel Module Number	Limitless within number of modules
Creatable Objects	PV Array (Up to 1,000 modules per array), House, Building, Slope, Array Area, Pyramid, Prism, Truncated Pyramid, Free Form, Tree, Polyhedron	

Laplace System Co., Ltd. <https://www.lapsys.co.jp>

[Head Office] 1-245 Kyomachi, Fushimi-ku, Kyoto, 612-8083, Japan TEL:+81 -75-604-4731 FAX:+81 -75-621-3665

[Tokyo Office] Shinjuku Gyoen Bldg. 4th Floor, 2-3-10 Shinjuku, Shinjuku-ku, Tokyo, 160-0022, Japan
TEL:+81 -3-6457-8026 FAX:81 -3-6457-8027

[Nagoya Sales Office] Minamisakae Bldg. 3rd Floor, 1-22-16, Sakae, Naka-ku, Nagoya-shi, Aichi, 460-0008, Japan
TEL:+81 -52-747-6114 FAX:+81 -52-747-6115

[Sendai Sales Office] Honcho Okuda Bldg. 9th Floor, 2-1-7, Honcho, Aoba-ku, Sendai-shi, Miyagi, 980-0014, Japan
TEL:+81 -22-216-5060 FAX:+81 -22-216-5061

[Fukuoka Sales Office] Ichigo Hakata Eki Higashi Bldg. 4th Floor, 1-13-9 Hakata Eki Higashi, Hakata-ku, Fukuoka 812-0013, Japan
TEL:+81 -92-477-2130 FAX:+81 -92-477-2077

[Takasaki Sales Office] WESTINI 5th Floor, 25-1, Kuzomachi, Takasaki-shi, Gumma, 370-0058, Japan
TEL:+81 -273-33-1851 FAX:+81 -273-33-1852

Call center TEL : +81 -75-634-8083

Working hours Weekday 9:00~19:00 Saturday:9:00~17:30
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