

G&S MACHINE SUMMARY REPORT

East Main Street 713, Waukon, Iowa, 52172, United States

solaredge DESIGNER



PROJECT INFORMATION

Customer name	Gil Hunstad
PV modules	554
Inverters	5
Power optimizers	277
Orientations	2
Weather station	Decorah

SYSTEM DATA



Installed power

204.98 kW_p



Max achieved DC power

195.00 kW



DC/AC oversizing

127 %



Max active AC power

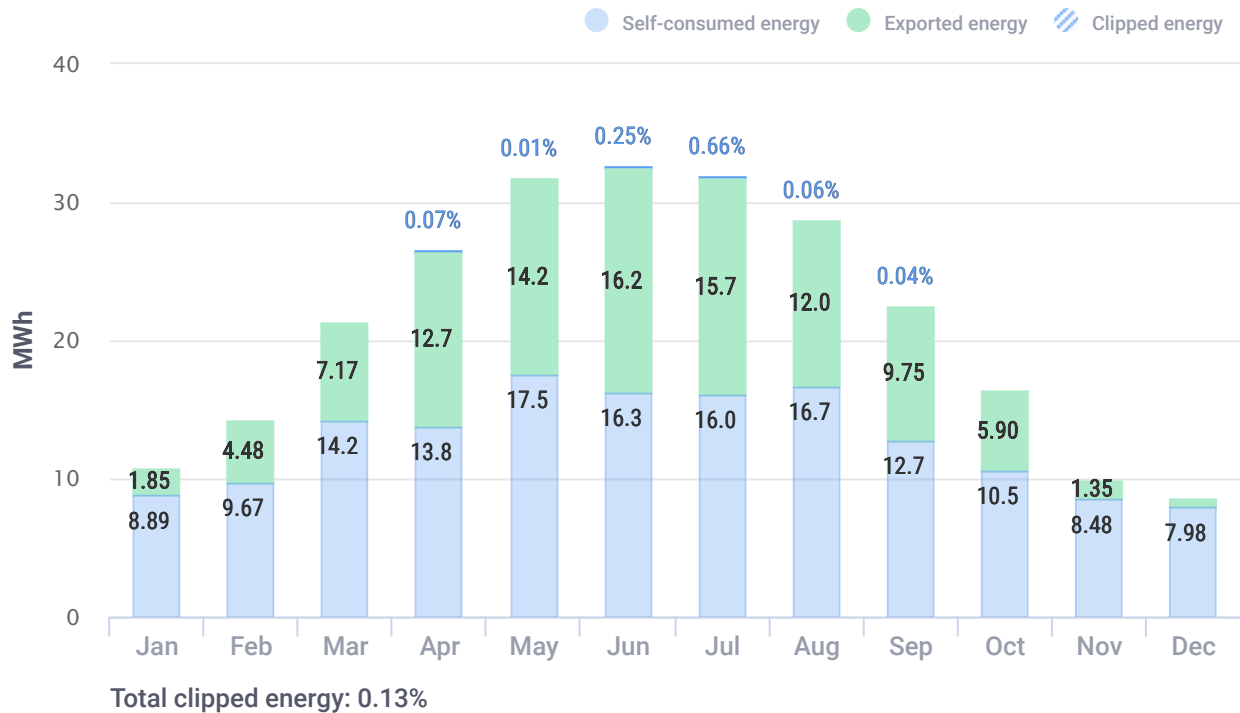
153.20 kW



Annual energy

254.66 MWh

ESTIMATED MONTHLY ENERGY

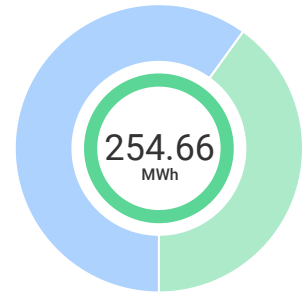
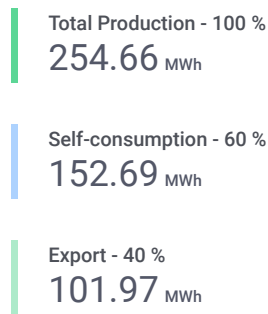


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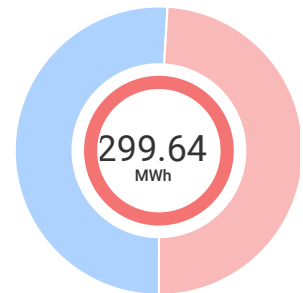
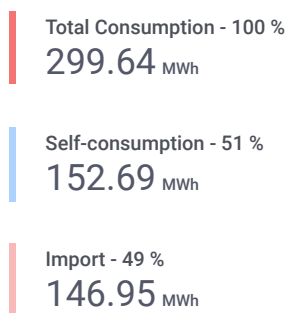
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solar**edge** DESIGNER

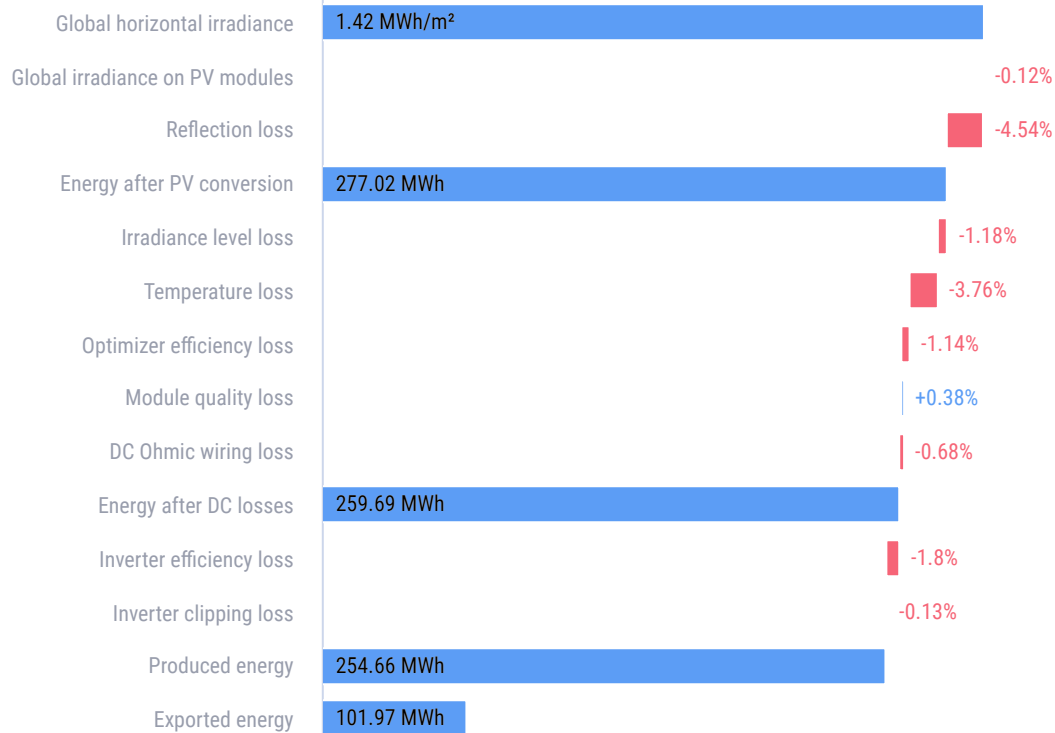
SYSTEM PRODUCTION



CONSUMPTION



SYSTEM LOSS DIAGRAM



Shading analysis was not performed

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PV MODULES

Module #	Module	kWp	Racking type	Module orientation	Azimuth	Tilt
274	Boviet Solar USA, BVM6612M-370	101.38			271°	5°
280	Boviet Solar USA, BVM6612M-370	103.6			91°	5°

GRID

Electricity grid	480V L-L, 277V L-N	Annual Consumption	299640kWh
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ELECTRICAL DESIGN

1 x SE20kUS

1 x string: 20 x P860 (2:1) in parallel

1 x string: 16 x P860 (2:1) in parallel

1 x SE33.3kUS

2 x strings: 18 x P860 (2:1) in parallel

1 x string: 21 x P860 (2:1) in parallel

2 x SE33.3kUS

2 x strings: 21 x P860 (2:1) in parallel

1 x string: 20 x P860 (2:1) in parallel

1 x SE33.3kUS

1 x string: 18 x P860 (2:1) in parallel

2 x strings: 21 x P860 (2:1) in parallel

BILL OF MATERIALS (BOM)

Inverter	1 x SE20kUS	Power Optimizer	277 x P860
Inverter	4 x SE33.3kUS		