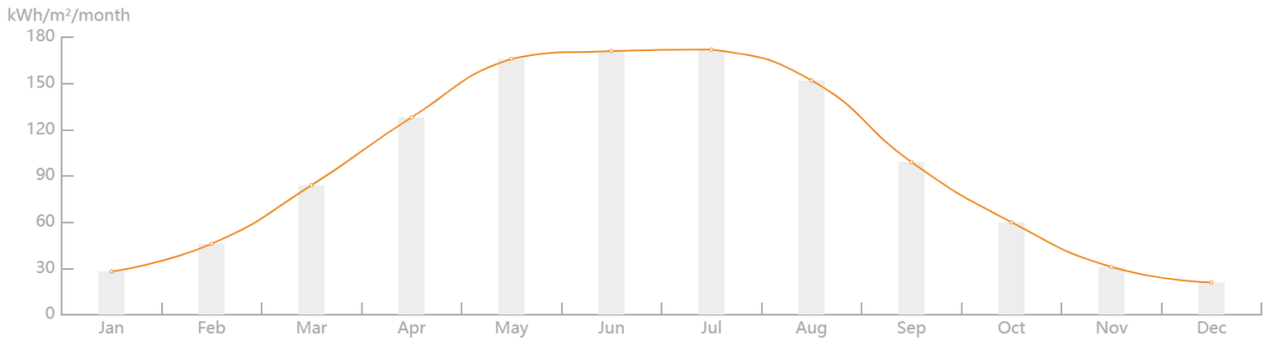
Project Information

Name:	**Solis 3.6kW Hybrid Inverter, 7kWh of Battery stora**
Address:	**Swanborough, Lewes BN7 3PF, UK**
Latitude:	**N 50.85179309999999**
Longitude:	**W -0.011261**
Installation Capacity(kW):	**4.1**
Maximum Atmospheric Temperature:	**21.67℃**
Lowest Atmospheric Temperature:	**2.87℃**

Horizontal Solar Radiation



PV Array

PV Array Name	Panel Count	Model Name	Peak Power(kW)	Azimuth	Inclination
South	10	CS6R-410MS	4.1	90	30

Inverter

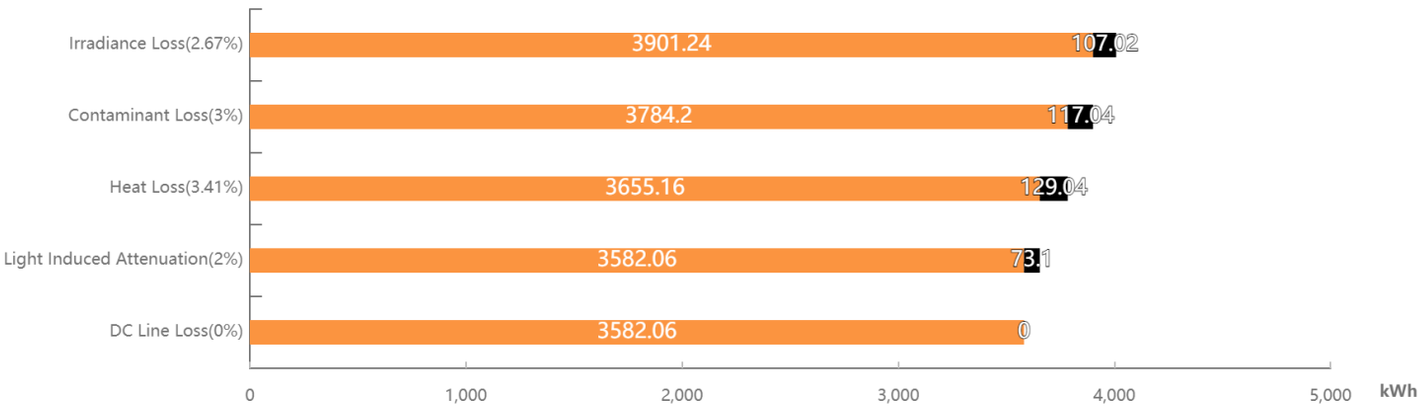
Model	Inverter Count	Panel Access Quantity	Panel Access Area(m²)	Battery Type	Battery Count	Battery Capacity (kWh)
S5-EH1P3.6K-L	1	10	19.4	US3000(CEI 0-21)	2	3.552
Sum	1	10	19.4		2	7.104

PV project parameters

Total number of PV modules	10	Total number of inverters	1	Peak power	4.1 kW
DC/AC Ratio	113.89%	AC active power	3.6 kW	Annual energy production	3582.06 kWh
PR	75%	specific energy production	873.67 kWh/kWp	Line Loss	0%

System Block Diagram

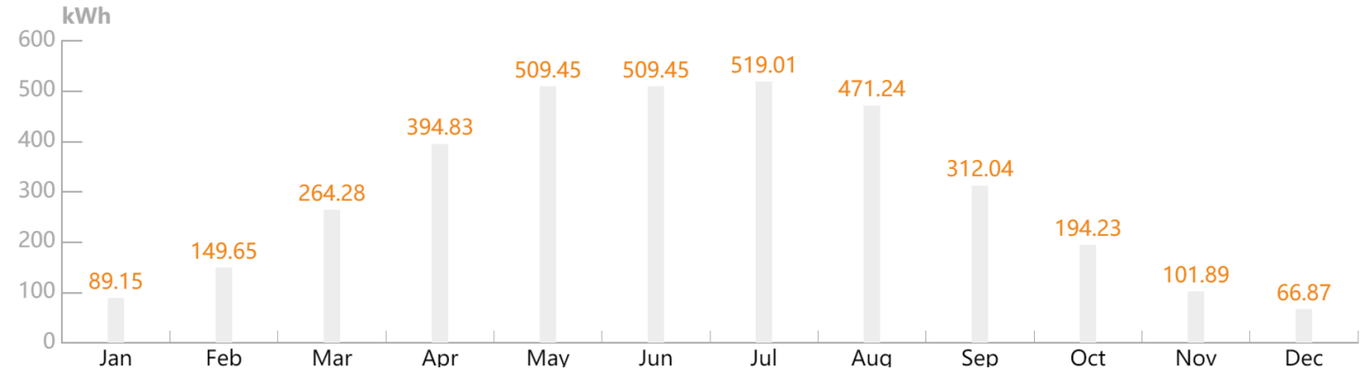
System Loss



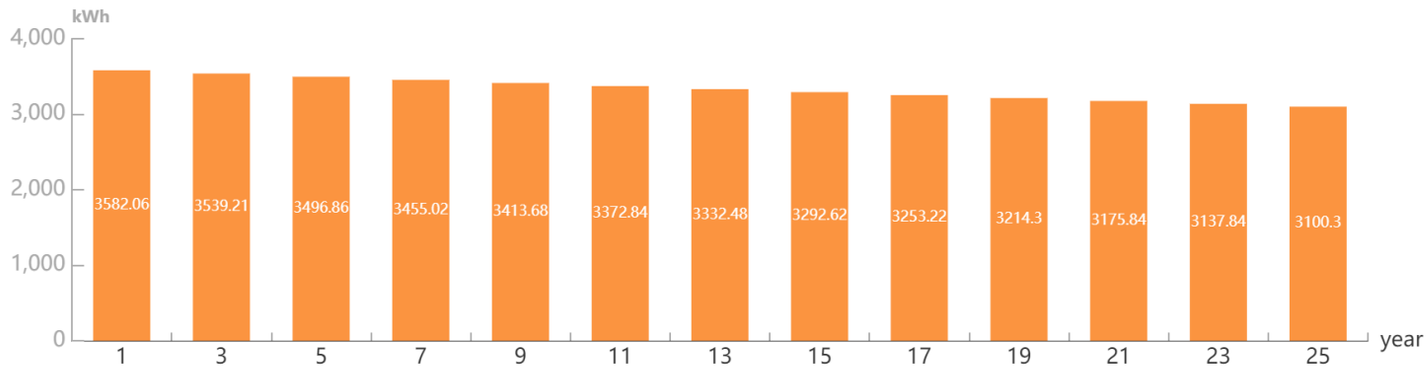
Energy Conservation

Reduced Emissions(CO_2)	Reduced Emissions(CH_4)	Reduced Emissions(NOx)	Equivalent Trees Planted
11 t	28.19 kg	59.41 kg	54.87 ha

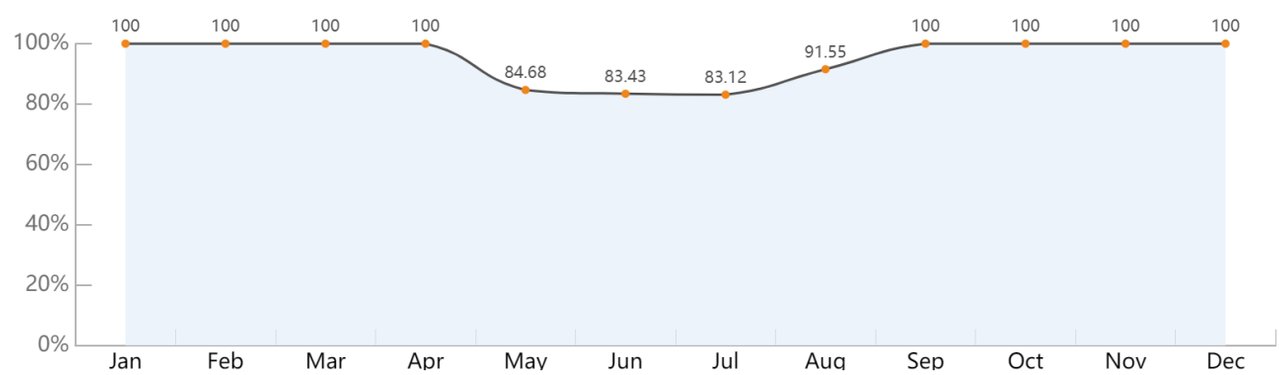
Monthly Power Generation



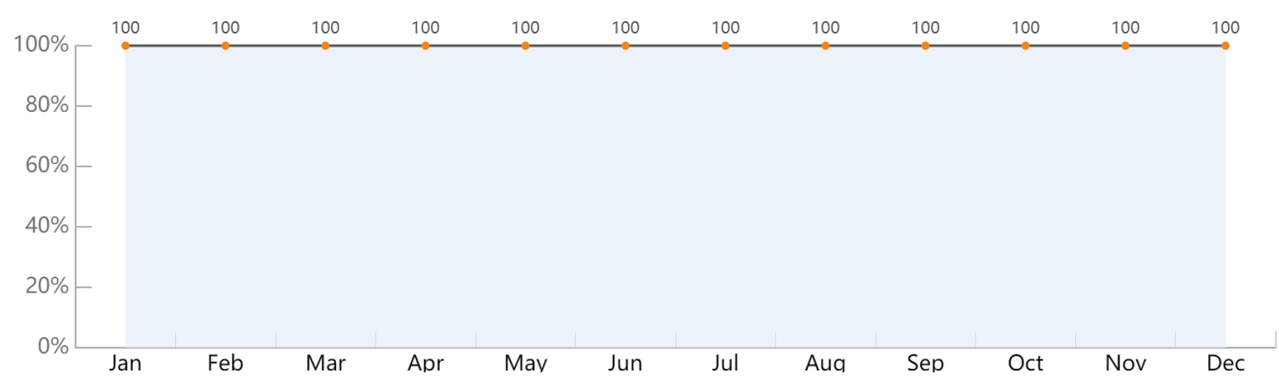
25 Years Of Power Generation



System power generation self-consumption rate



The ratio of self-use to total electricity consumption



Notice: The Annual Power Generation and related data are estimated values, if it is different from the actual power generation, Solis is not responsible for it, because many factors can cause the difference, such as the shading on the surface of the PV modules.

Sign: _____