

/ Commercial Monitoring Dashboard

The SolarEdge monitoring platform provides visibility into PV site production and consumption, displaying the power flow between the PV array, grid and loads as well as tracking real-time system data.

The dashboard provides a comprehensive overview of the PV system's performance. Key features include:

- Navigation:** Dashboard, Layout, Charts, Reports, Alerts, Admin.
- Overview Summary:**
 - Energy today: 1.73 MWh
 - Energy this month: 30.64 MWh
 - Lifetime energy: 755.59 MWh
 - Lifetime revenue: €62,260.47
- Power Flow Diagram:** Shows power flow from Solar production (76.22 kW) to Consumption (88.58 kW) and Grid import/export (164.8 kW).
- Site Details:** PV Austria 480kWp, Vienna, Austria, installed 05/29/2017, peak power 480 kWp.
- Power and Energy Summary (Month):**
 - System Production: 30.66 MWh
 - Consumption: 6.93 MWh
 - Self-consumption: 5.77 MWh
 - Export: 25 MWh
 - Import: 1.19 MWh
- Weather:** 40% Chance of Rain Showers, 29 °C, feels like 28 °C.
- Environmental Benefits:**
 - CO2 Emission Saved: 296,190.63 kg
 - Equivalent Trees Planted: 989.82
- Charts:**
 - Bar Chart:** Shows daily energy production (green), consumption (red), and self-consumption (blue) in MWh.
 - Bar Chart:** Shows daily energy export (green) and import (red) in MWh.

Annotations:

- Solar production (points to 76.22 kW and solar icon)
- Consumption (points to 88.58 kW and factory icon)
- Grid import/export (points to 164.8 kW and power lines icon)
- Solar energy consumed (points to 19% self-consumption bar)
- Solar energy exported to grid (points to 81% self-consumption bar)
- Energy purchased from grid (points to 17% import bar)