

Ramsvik Stugby & Camping site keeps the lights on with green energy

To sustain nature's beauty by reducing fossil fuels Ramsvik Stugby & Camping, a popular nature getaway in Hunnebostrand, Sweden, decided to go solar. The result? One of the largest photovoltaic plants in the Swedish tourism industry, delivering 216kWp, distributed across 86 roofs. This was picked up by the New York Times, which placed Western Sweden and Ramsvik as #16 on their list "52 places to go in 2020".

Apptek Teknik Applikationer, an electrical company that has been operating since 2003, was tasked with installing 610 SolarEdge power optimizers (P370), seven inverters (SE27.6K) and one inverter (SE17K). Through the design flexibility of SolarEdge's inverters, Apptek was also able to maximize the number of solar modules mounted on the limited roof space in the park to generate the required 216kWp of power. This far outstripped the 75kWp offered by other PV companies.

"Our aim is to be self-sufficient when it comes to energy produced over a full year. We expect the solar power production from the SolarEdge system to at least equal or preferably surpass our consumption, which is approximately 230 MWh/year. Since Ramsvik is only open during the summer months (May-September) we are quietly confident that this target can be met."

Torbjörn Backlund – General Manager, Ramsvik Stugby & Camping

With the SolarEdge PV solution, Ramsvik Stugby & Camping benefitted from:



- Embedded safety measures including SafeDC™ and arc fault detection and interruption, in compliance with UL1699B arc detection standard
- Optimization of solar energy production coupled with module-level performance monitoring

The SolarEdge power optimizer is specifically designed to work with SolarEdge's inverters to ensure greater energy output per module. All types of module mismatch-loss are also mitigated, such as losses caused by shading and birds nesting and fouling the modules, a common occurrence at holiday sites. Furthermore, SolarEdge's SE27.6K and SE17K three phase inverters deliver superior efficiency and built-in module-level monitoring to track production and reduce O&M costs.

Ramsvik Stugby & Camping put safety first

The safety of their guests was certainly top of the agenda when Apptek was considering which solar energy system to install. In addition, with solar power plants rapidly becoming more commonplace in Sweden and fire departments demanding that their personnel be protected against electrocution and burns, Apptek made the conscious decision to install SolarEdge.

Why SolarEdge?

Having successfully used SolarEdge solutions for other installations, Apptek had no hesitation in recommending SolarEdge's smart solar energy solution to Ramsvik Stugby & Camping. SolarEdge's inverters can be monitored, controlled, and automatically shut down during grid failures, helping to increase personal safety, protect equipment, and prevent structural damage.

Ramsvik Stugby & Camping have expressed nothing but satisfaction with their SolarEdge system, leading Torbjörn Backlund to recommend SolarEdge to colleagues in the tourism accommodation business, as well as other businesses installing solar.

For more information on these and any of the other SolarEdge smart energy products, visit the website.

