

First StorEdge® and LG Chem installation in South Africa

Cable theft is a common problem in South Africa. Apart from the disruption to transport, water and telecommunications, it causes power outages leaving homes and businesses without electricity and working security alarms.

Dr. Chetty decided to install an energy storage solution in his home because of the high frequency of electricity outages due to the cable theft in the area. SolarEdge came highly recommended via friends who already had a SolarEdge PV system installed. The SolarEdge monitoring platform, system reliability, exceptional safety, and long product warranties further convinced him that SolarEdge was the right system for his home.



SolarEdge's StorEdge DC-coupled storage solution automatically provides homeowners with backup power in case of grid interruption, and allows home owners to maximize self-consumption for maximum energy independence. Unused PV power is stored in a battery and used during a power outage or when PV production is insufficient. When there is a power outage, a combination of PV and battery is used to power important loads such as the refrigerator, TV, lights and AC outlets. The solution is based on a single inverter for PV, storage and backup power.

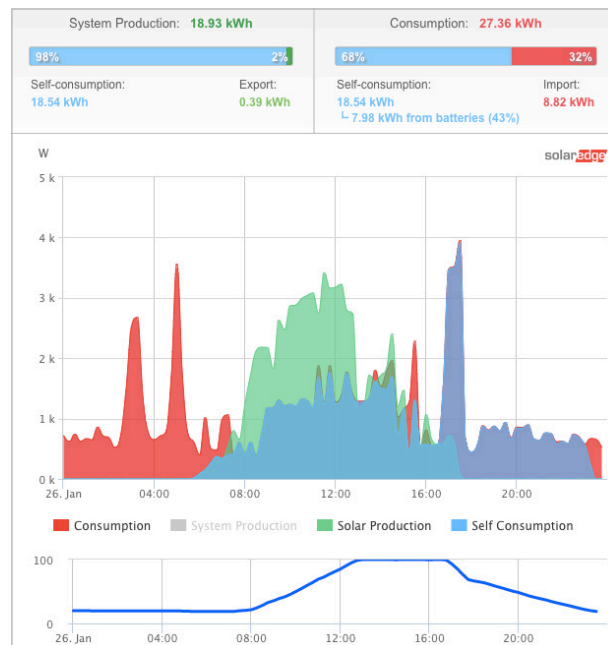
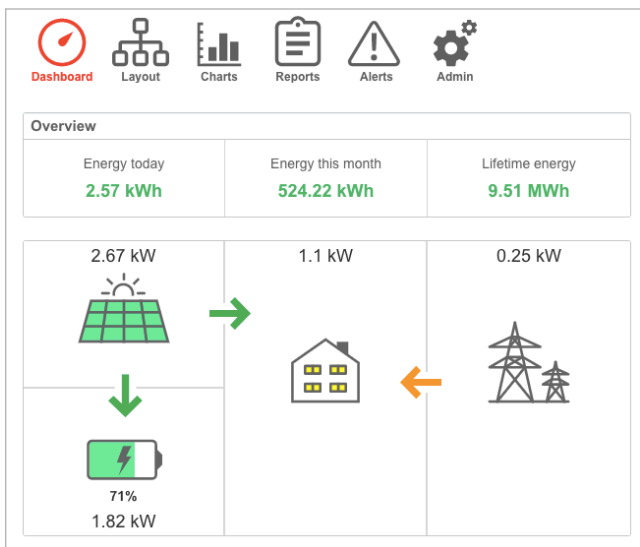


- Location: Waterkloof, Pretoria, South Africa
- EPC: Sunor Energy
- Peak Power: 4.16kWp
- Modules: 13 x Jinko Solar 320W
- Power optimisers: 12 x P350
- Inverter: SolarEdge Single Phase StorEdge Inverter 6kW

“Before I installed the SolarEdge StorEdge system, we suffered from constant power outages. Now I have peace of mind, as essential household loads keep working, and we no longer suffer from disruption to our daily lives”. **Dr. Chetty, homeowner**

Full Monitoring of PV and StorEdge Systems

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



SolarEdge monitoring platform shows daily production, self-consumption and consumption through imported energy from the grid. It's also possible to monitor the battery level and charging state. The chart view shows the performance of individual modules which means full visibility of system performance and remote troubleshooting for effective O&M.

“We are very excited to install the first StorEdge system with LG Chem batteries in South Africa. It has been a tremendous success, and the installation was smooth and trouble-free.” **Sophia Nortje, Managing Director, Sunor Energy**