

## SolarEdge Provides Fast BackUp Solution For Galilee Medical Center Amidst Corona Pandemic

### ■ The Challenge



The Galilee Medical Center

The Galilee Medical Center (GMC), established in 1956, is a hospital situated in the coastal city of Nahariya and is the second largest hospital in northern Israel. SolarEdge UPS systems (previously known as Gamatronic) have been powering the hospital since 2006. The UPS systems back up sensitive medical equipment, emergency and operating rooms, server rooms, security systems and more. Throughout the years, more than 15 SolarEdge UPS' were installed at The

Galilee Medical Center. In March 2020, the hospital urgently needed a UPS backup power solution for a new coronavirus wing. The UPS solution had to be delivered as soon as possible and assure service availability no matter what, to critical life supporting systems.

### ■ The Solution

Following years of experience with SolarEdge modular UPS systems, simple operation and the excellent local service, SolarEdge was yet again selected for this project. The solution included –

- The Centric 75kW UPS with internal N+1 module level redundancy
- Two sets of 65AH batteries and safety circuit breaker kits



SolarEdge UPS backup solution for the new coronavirus hospital wing

Due to the emergency of the coronavirus situation, the process was sped up and the solution was delivered within five working days. The PO was issued – March 18th, delivery – March 23rd, installation March 24th, full production after commissioning and testing March 25th.

## **/ Why SolarEdge?**

### **Advanced UPS technology that brings benefits**

**Modular system architecture:** Mission Critical systems need redundancy! The UPS' key purpose is to ensure power continuity to critical applications, no matter what. UPS redundancy is therefore critical, and modular architecture is the best approach for UPS redundancy (hot swap, scalability and low MTTR). SolarEdge UPS's use hot swappable lightweight 20kg power modules that can be easily maintained by a single person.

**True online double conversion UPS architecture:** The true online double conversion UPS architecture ensures that critical loads are always protected. The inverter is directly DC connected and fed from the batteries that are charged from the grid. This translates into two main advantages – absolutely zero transition time from the grid to the batteries when the grid fails, and continues “clean” sinusoidal voltage waveform, protecting sensitive equipment from all grid issues, true voltage and frequency independent – VFI). Moreover, the directly connected rectifiers/inverters/batteries provide greater DC/DC efficiency and improved system resilience, as fewer components and conversions are needed.

**High power density:** The SolarEdge Centric family provides up to 200kW in as little as 0.41sqm (4.4 sqrf). This provides up to 489kW/sqm (45.4kw/sqrf), allowing the complete solution to fit into small spaces, a mandatory requirement in numerous projects.

### **/ High quality service and support**

For over 50 years our local team of experts has been ready to help our customers, 24/7, hospitals, businesses, government sites, telecom providers, and research institutes to name a few. We offer design support, site survey, installation and commissioning, client training, service and preventive maintenance. You can always count on our help, for any of your critical power systems' needs.

### **/ About SolarEdge Critical Power Division**

The Critical Power Division of SolarEdge (NASDAQ: SEDG) delivers innovative products and solutions that power IT and machines across a broad range of sectors, among them telecom, manufacturing, healthcare, government, finance, academic, research and transportation. Facility owners, IT managers, system integrators and consultants all over the world, rely on us for the most reliable critical power solutions that are simple to use and reduce the total-cost-of-ownership. With the accelerating demand for data and always-on communications, we have been powering data centers, server rooms, medical imaging, operating theaters, control centers, laboratories and production lines all over the world for over five decades.