

Two installations in Britain for AROS Solar Technology

The Haverfordwest and St. Stephen solar power plants have chosen Aros' Italian technology

Cormano (Milan) 15 May 2014: AROS Solar Technology, Riello Elettronica Group's renowned brand and major player in the photovoltaic inverter market, has been selected as a supplier for two installations in Britain with an overall order of 66 Aros Sirio K533 HV-MT PV inverters.

The Spanish branch of **AROS Solar Technology** received the call to take part in the creation of the two British solar power plants from **Bester Generación**, the prime contractor of the two plants and major Spanish player in the international renewable energy market. Bester's main strength lies in the fact that it provides turnkey solutions, taking care of all the aspects relating to design, consulting, installation, commissioning, and maintenance. There is a consolidated collaboration between Aros Solar Technology and Bester, who has had the opportunity to test the effectiveness and reliability of Aros solutions, its excellent quality/price ratio, and efficient after-sales service, which is crucial during the design stage to define the optimal configuration of the plants.

Once again, Aros has supplied customised solutions for these two solar power plants, developed according to the technical specifications requested. Aros has supplied a total of 66 Sirio K533 HV-MT inverters with a rated power of 533KW. Each inverter is equipped with 7 inputs with 250A fuses and can provide reactive power to the grid even at night.

21 Sirio K533 HV-MT inverters were used for St. Stephen's plant (Cornwall), which has an overall power of 14 MWp and has been connected to the grid for just over a month. Bester Generación and Aros managed to work against time demonstrating great efficiency and allowing the plant to fall within the 1.6 Renewables Obligation Certificate (ROC) incentive, which was guaranteed until 31/03/2014.

45 Sirio K533 HV-MT inverters were used for the Haverfordwest plant in Pembrokeshire, which has an overall power of 28 MWp and is yet to be connected to the grid.

Thanks to the absence of the built-in transformer (LV/LV) the HV-MT central inverters enhance the overall efficiency of the system with yields over 98%. The Maximum Power Point Tracking (MPPT) search algorithm implemented in the control system allows the full exploitation of the PV generator under any irradiation and temperature condition, thereby making the system work continuously with the maximum yield. To ensure higher safety standards and prevent fire in the event of failures inside the converter, Sirio K533 HV-MT inverters are provided with a standard motorised disconnect switch on the DC side equipped with minimum voltage coil.

AROS Solar Technology PV Inverters have been evaluated positive by SGS – Spain and OST Energy –UK two independent engineering consultancy specializing in technical advisory work for the renewable energy market.

*“Based on the good results of the first quarter of this year and the confidence in the market, authoritative industry studies estimate an installed base of 2.5 GW for the United Kingdom in 2014”, said **Tommaso Paolino** from the Aros communication department. “The incentive plan for large-scale systems introduced in 2011 and expected to continue until 2017 has, in fact, led the United Kingdom to rank first among EU Member States with the fastest growing photovoltaic industry. This is an example for other countries, including Italy, to give confidence to developers and investors and boost the entire sector, thereby improving the energy independence rate”.*

*“On our part – continued **eng. Roberto Facci**, International Sales Director – we are proud to continue this collaboration with Bester Generación, which has consolidated its presence in Italy with the installation of 60MW over the past few years. The two solar power plants in Britain meet the highest standards, thereby demonstrating the extraordinary quality and reliability of our solutions, as well as the efficiency of our after-sales service and of the EPC technical staff”.*

Information and contacts

Headquarters

AROS Solar Technology

Via Somalia, 20
20032 Cormano (MI)
Tel: +39 02 66327-1

Tommaso Paolino
+39 02 66327204
t.paolino@aros-solar.com
www.aros-solar.com

Press office - Media relations:

RGR Comunicazione e Marketing

Via del Tiglio, 7
56012 Calcinaia (PI)
Tel: +39 0587 294350

Leonardo Ristori
+39 329 2118296
rgr@rgr.it
www.rgr.it