

Product - Press Release

CARLO GAVAZZI LAUNCHES "EOS-ARRAY LITE" AND VMU-S30: A NEW MODULAR CONTROL SYSTEM AND A NEW STRING CONTROLLER FOR SOLAR PV APPLICATIONS.

*A cost effective solution for a fast and easy failure localization
and a control unit to allow measurement of string parallel current up to 30A.*

Lainate, January 2010 – **Carlo Gavazzi Automation** - the international electronics Group with activities in the design, manufacturing and marketing of electronic equipment – , presents **Eos-Array Lite**, the local control solution for solar PV applications, Carlo Gavazzi's Eos-Array Lite is a simplified and cost effective measurement/control system, whose functions are split into different modules so as to improve the global reliability. Modularity is a key feature of the new device, developed by Carlo Gavazzi Controls team in Belluno (Italy): according to the plant size and the application needs – from small (25kWp) to medium size Solar PV applications –, users can select the most proper module and easily adapt it.

"The aim of Carlo Gavazzi is to continue developing the worldwide most growing business opportunity today, that is solar energy." – states Fabio D'Inca, International Product Manager – *"We believe Eos-Array Lite will enable us to continue to gain credit in the renewable energy market as the key provider of control solutions for PV applications"*.

Local string control allows users to localize problems fast and easily. Furthermore, since the fuse protection is integrated, Eos-Array Lite is a space and cost saving solution.

Main technical features EOS ARRAY LITE

- Housing: 90x17.5x67mm for DIN-rail mounting
- Dimensions: 1-DIN module each unit
- Maximum width of a fully equipped system: 280 mm
- Protection degree (front): IP40

VMU-M.L unit

- Local bus manager
- RS485 (Modbus) communication port
- Local communication bus management up to 15 VMU-S units
- Front 6-DGT LCD display
- 12 to 28 VDC power supply

VMU-O.X unit

- Local Output unit for trip protection detection and loads remote control
- One relay output

VMU-S0 unit

- String controller
- Solar PV analysis
- DC V and A metering
- Accuracy ± 0.5 RDG
- Direct DC measurements up to 16A/1000V
- Integrated fuse protection

VMU-P.1TI unit

- Multi variable manager
- One temperature (Pt100-Pt1000, 3-wire) input
- One irradiation (120mV) input

Main technical features VMU-S30 for Eos Array only

- String controller
- Solar PV analysis
- DC energy metering (Class 1 kWh)
- DC V, A and W metering
- Accuracy ± 0.5 RDG (V-A)
- Direct DC measurements up to 30A/1000V

ABOUT CARLO GAVAZZI AUTOMATION

Carlo Gavazzi Automation is an international electronics group with activities in the design, manufacture and marketing of electronic equipment targeted at the global markets of industrial and building automation.

Carlo Gavazzi Automation provides customers with technologically innovative, high quality and competitive solutions, in compliance with their requirements and expectations through its 21 National Sales Companies in Europe, North America, Asia & Pacific, operating with its production sites in Denmark, Italy, Malta, Lithuania and China.

For further information:

Carlo Gavazzi Automation SpA - Via Milano 13 – 20020 Lainate (MI) - Italy
Marketing Communication - viviana.sandon@gavazziacbu.it - www.gavazziautomation.com