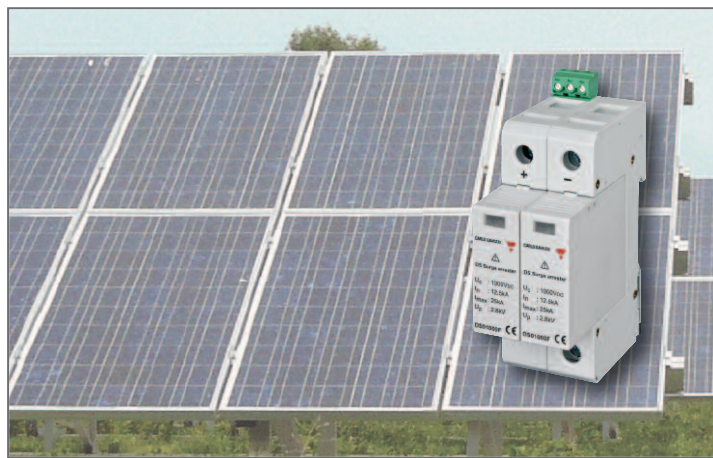


CG APPLICATIONS

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Application Note : March 2011

Market involved : Renewable Energy

Product : DSF PV

Customer : Panel builders,
Engineering companies

Subject : Surge protection
for PV systems

CUSTOMER ISSUE :

A photovoltaic installation is a long-term investment which needs to be protected by means of SPDs (surge protective devices).

This protection can be considerable, in terms of preserving the quality and lifespan of the devices, while maintaining the level of energy production, thus saving costs.

OUR SOLUTION:

Our new range of surge arresters is suitable to protect the photovoltaic installation according to the current regulations.

Furthermore the DSF is one of the first products on the market to be ready for the future standard EN50539-11-2009 and already conforms to the new French standard UTEC 61-740-51, both specifically addressed to PV systems.

These norms provide that the SPD must include backup protection and prohibit the use of fuses for this purpose.

ACHIEVED BENEFITS:

DSF is the safest solution for any type of combiner box in PV systems, due to its built-in backup protection.

This is a cost-effective solution, as it saves on cost and space for backup fuses.

Our solution needs no backup fuse as this function is already performed by the DSF itself.

DSF arresters are equipped with easily removable cartridges and have a red warning light enabling easy checking of the protection status.

Thanks to this, the exhausted cartridges can be replaced without leaving the installation unprotected.

The internal wiring and the labelled terminals allow easy installation and maintenance.