

AC solutions for PV installations High performance range 800 V AC

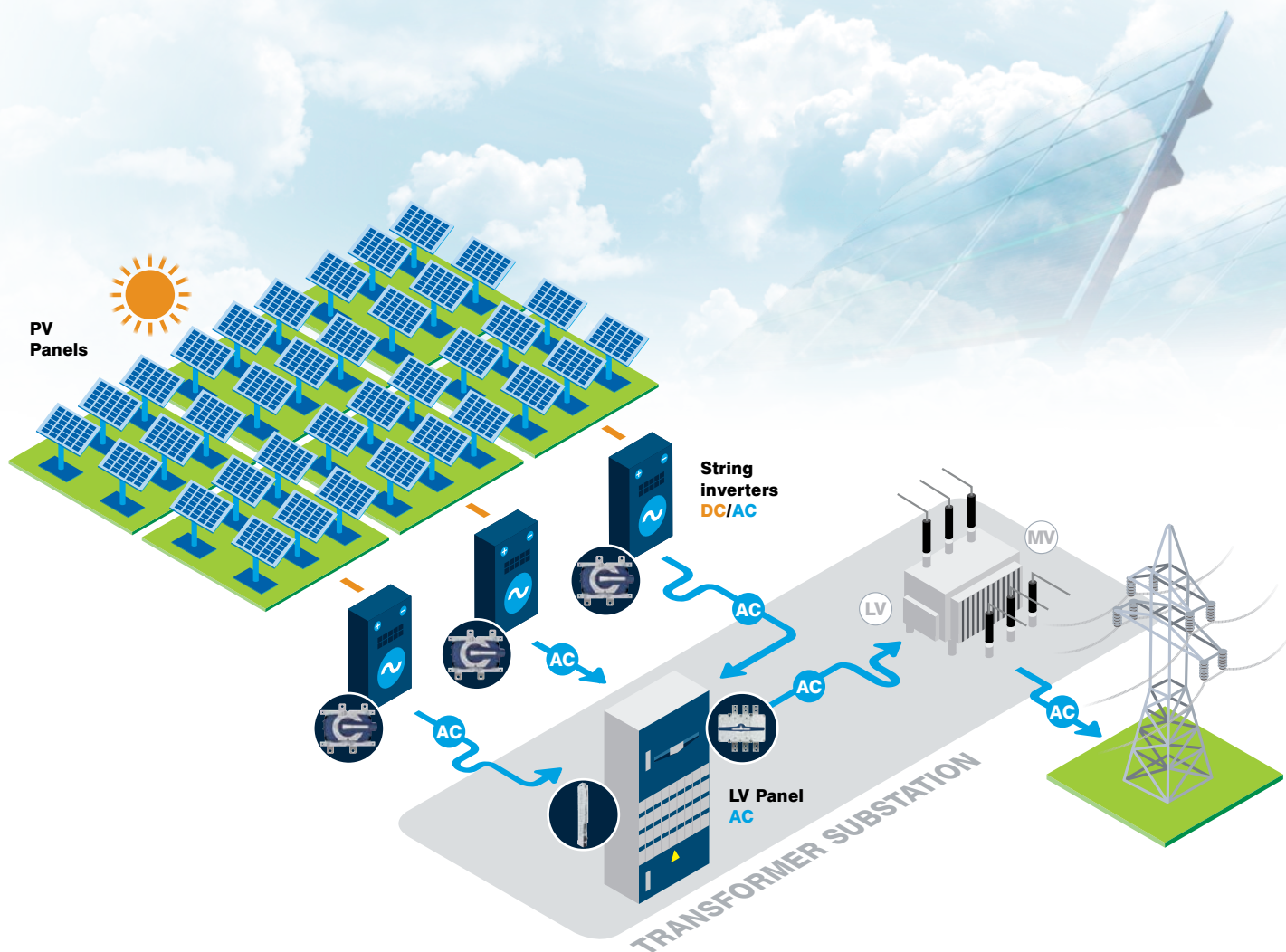
800 V
AC

Gorlan, leaders in the development of innovative and efficient switchgear solutions for photovoltaic applications, both in grounded installations with central inverters as in those isolated.

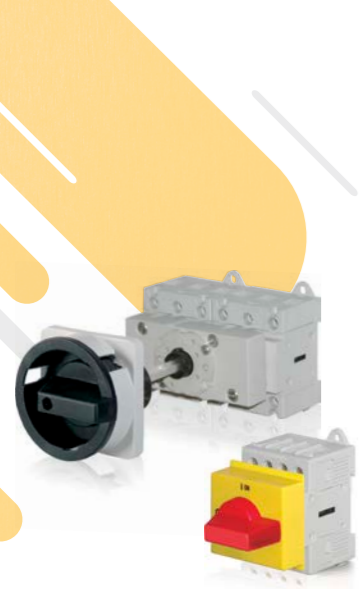
A trend that has emerged recently is becoming stronger: the design of PV plants with 800V AC string inverters. Therefore, from Gorlan, guided by our vocation of customer ser-

vice and thanks to the multidisciplinary knowledge of the group, we have maximized our efforts to adapt our offer in this direction.

We present a complete high-performance range for 800V AC with which we take another step in our commitment with innovation and that leads us to consolidate our position as a referent in the photovoltaic ecosystem.



▶ AC SWITCH-DISCONNECTORS FOR 800 V AC - AC-21B



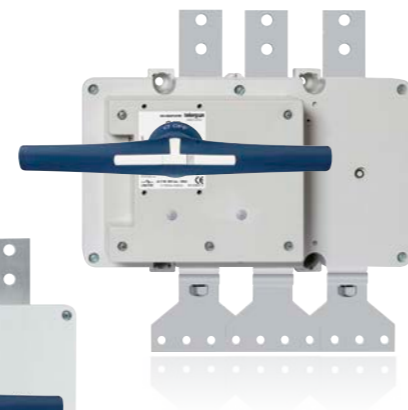
ZBK
Up to 125 A



S6
250 A & 630 A



S5
1600 A

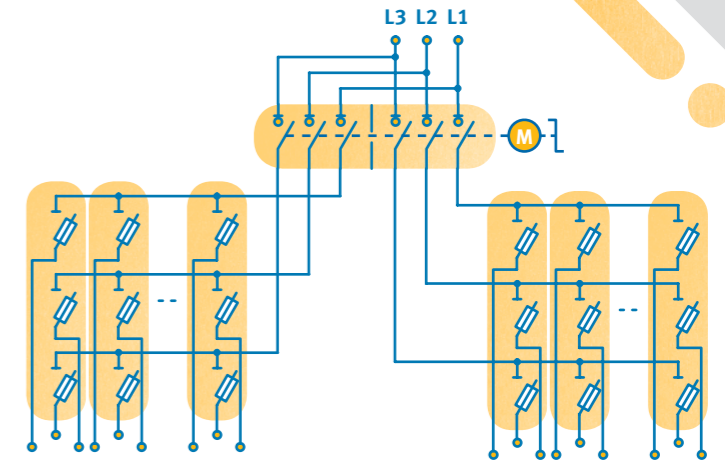


S5N
6P switch disconnecter with common outputs up to 3200 A

telergon
gorlan

▶ A UNIQUE SOLUTION FOR 800 V AC LOW VOLTAGE DISTRIBUTION BOARD

Up to 4000 A



Connection diagram

▶ LV VERTICAL FUSE SWITCHES FOR 800 V AC - TRIVER+ 800



Vertical design fuse switches



One pole fuse bases



BUC bases



Three pole horizontal design bases

pronutec
gorlan

▶ FUSES NH gG/gS 800 V AC



Cost reduction

Solution up to 50% cheaper than alternatives based in ACB or MCCB



Less power losses

Transmission at higher voltages makes possible to reduce power losses



Compact size

The inputs are grouped in parallel phases, so the dimensions are reduced



Ease of maintenance

Grouped components and facilities are concentrated on a smaller area



Integral solution

Synergies between the companies of Gorlan allow us to offer global applications



Fuses with gG or gS curve are the only ones suitable for the protection of the output of string inverters in 800 V AC. Other curves, as for example the aR, present too high power dissipation and too low breaking capacity.



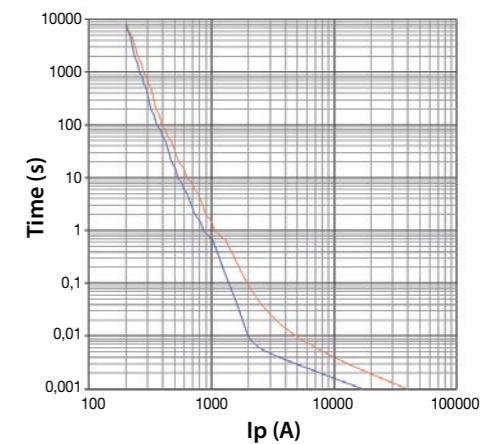
Optimal technical characteristics

Breaking capacity up to 120 kA
Power dissipation 16 W



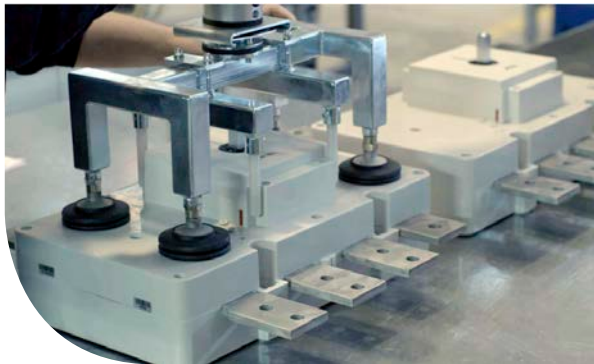
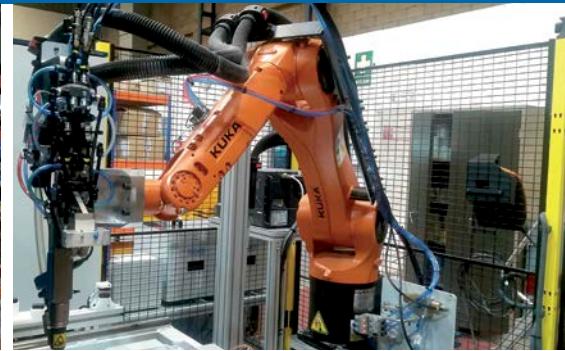
Suitability guarantee

The only proposal that offers both types of curve: gG & gS



■ NH1 160A gG ■ NH1 160A gS

Due to the continuous improvement & modifications of our products, the details included in this catalogue can be modified at any time without prior consent.



All companies that form Gorlan work jointly to advance with the same philosophy, sharing knowledge and values to reach a common goal

In Gorlan, we maintain the focus on the union of people. In fact, the group was created under this attitude, that is reflected in the way we face new projects.

For more than 30 years, we have advanced as a team guided by our vision. Together we have built a business model focused on improving results and customer orientation.

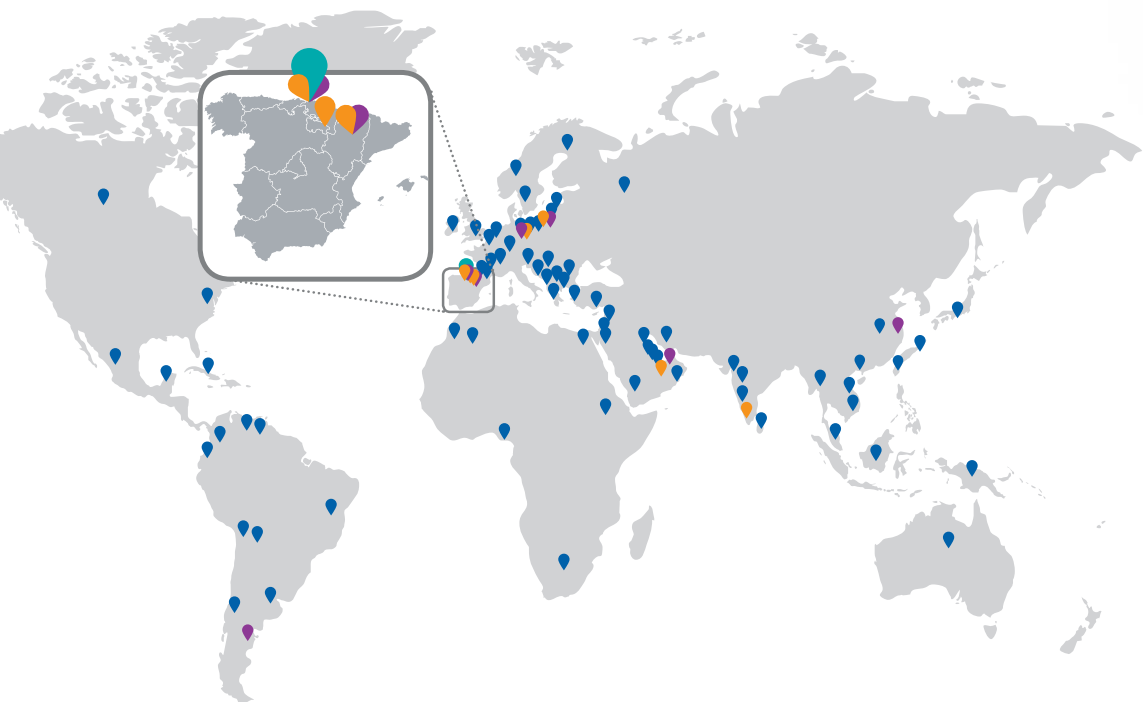
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