Installation guide Fronius SnapINverters

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InstallingaFroniusSnapINverterisremarkablyeasy. All DC and ACcabling is done in the integrated connection area of the wall bracket. The compact, lightweight inverter is simplyhung into the wall bracket and snapped in. The entire installation processrequires no special tools.Please note the maximum torquevalues marked on the side underneath the terminals.

To support you in comprehensively planning and designing PV systems whenconsulting and providing solutions for your customers, we offer the Fronius Solar.creator as afree, flexible and user-friendly online configuration tool.

The more shade there is, the higher the consumption of the optimiser, and the lower the efficiency. This means, especially in partial shading situations, that power optimisers often cannot compensate for the shade, so they do not generate a higher yield.

The "Fronius Arc Guard" safety function is used to detect and interrupt DC arcs in PV systems. The function was developed to comply with the IEC 63027 standard. It addresses the technical requirements for "Arc Fault Protection Equipment" (AFPE) and "Arc Fault Circuit Interruption" (AFCI) in photovoltaic systems.

The function requires specific hardware and is therefore not included in all Fronius SnapINverters. Only Symo Advanced devices have the hardware integrated and offer the "Arc Guard" function to further increase the safety of PV systems.

Fronius SnapINverters have theFronius Datamanager 2.0 integrated ex works, but are also available in a“light” version without Datamanager. The Datamanager can also be installed intoa "Light"-Device retroactively.

You can connect up to 100SnapINverters in one system into a Solar Net communication loop using a singleDatamanager 2.0 to save time and costs. However we recommend smaller loops ofup to 10 devices each, to reduce the risk of differences in the electricpotential and to simplify troubleshooting.The exception is the SymoHybrid, which has a Hybridmanager integrated instead and does not supportinverter-to-inverter communication via Solar Net.The Data- or Hybridmanagerconnects the inverter to the Internet for system monitoring on FroniusSolar.web.

With a SnapINverter with Datamanager 2.0, dynamic power reduction can be activated to limit the power fed into the grid by the system while maximizing direct self-consumption. This can also be used for zero-feed-in systems. To use this function, a Fronius Smart Meter is required for this purpose.

Dynamic power reduction of 99%-0% can also be implemented with a SnapINverter Light without

Datamanager 2.0. For this the multifunctional power interface of the SnapINverter Light is connected to the S0 counter. In this How-To Video the technical implementation of the function is explained. In the application guide in the download box you will find additional step-by-step instructions.

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