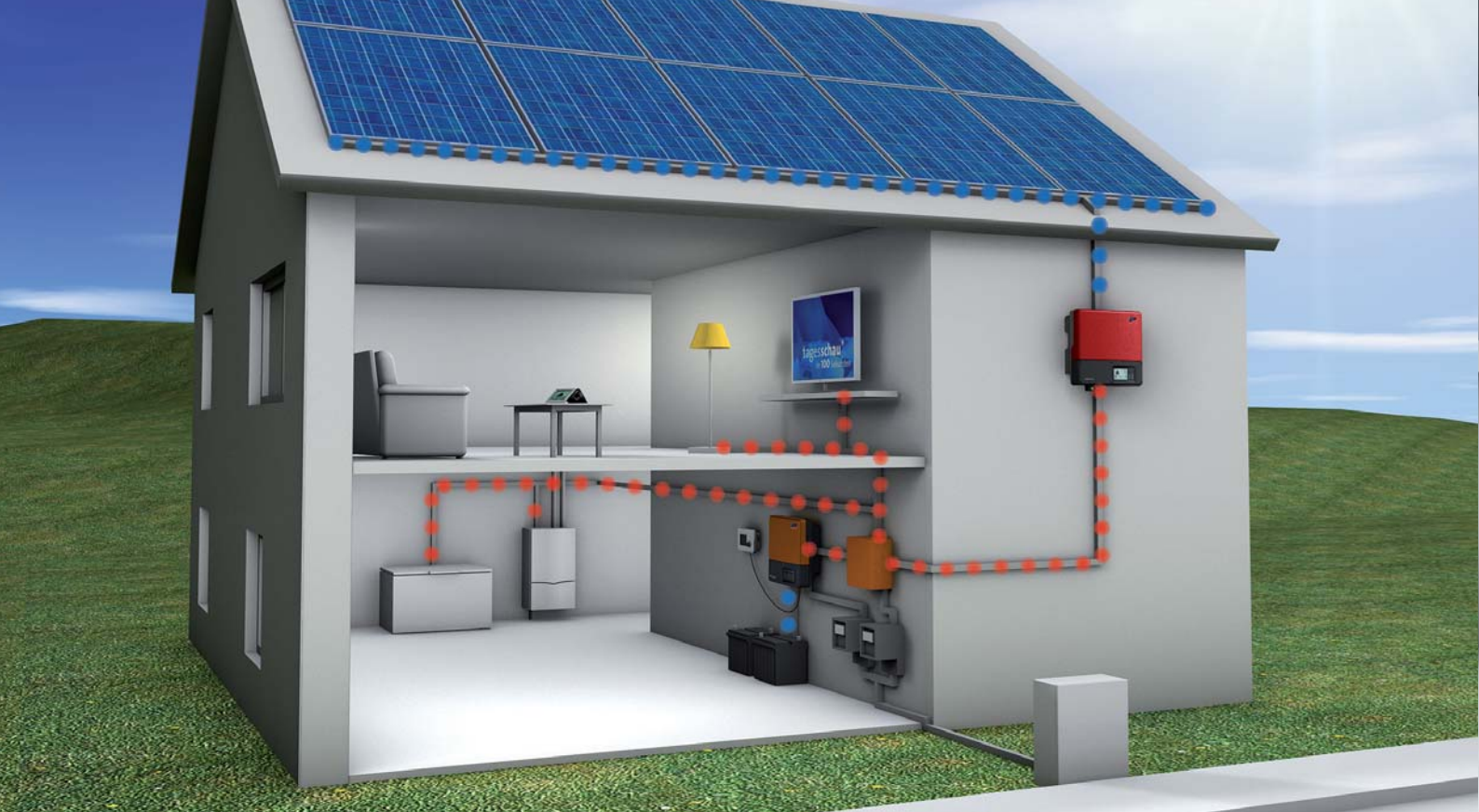




SUNNY BACKUP SET Small



The electric current assurance for single-family homes



SUNNY BACKUP SET Small

Safe, simple, efficient

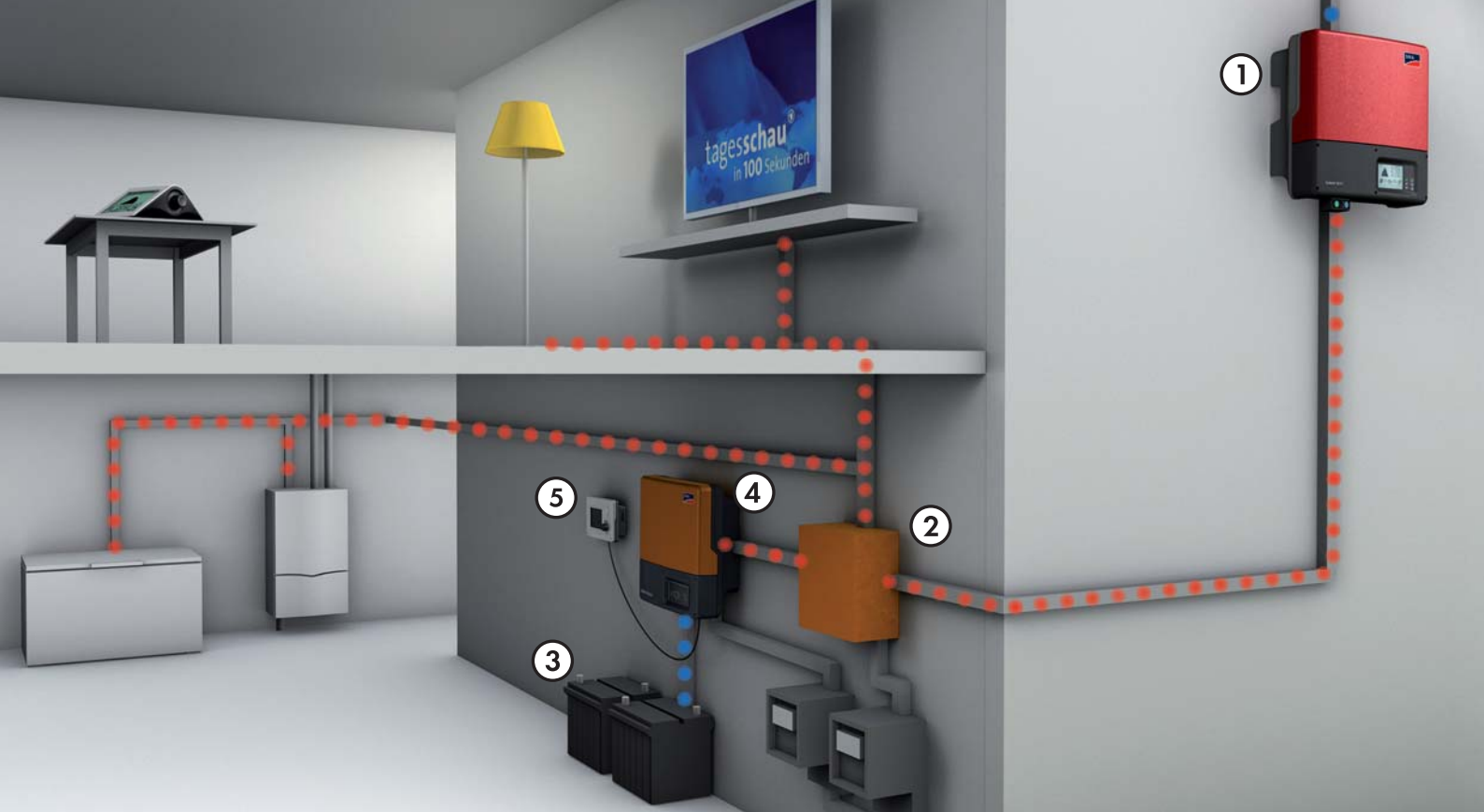
Your Advantages

- » Secure: fast, automatic supply, even during power outages
- » Efficient: both during grid-feeding and during grid failure
- » Maintenance free: long-lasting and proven SMA Technology
- » Straightforward: Sunny Remote Control for location-independent operation
- » Modular: expandable through additional battery sets

No light, no heating, no computer: today, it is very difficult to do anything without electricity. You may be interested to know that for safety reasons, your solar plant is disconnected from the grid if there is a power outage? From that moment on, it ceases to provide solar power - neither for grid feeding, nor for the internal power supply.

It is precisely this supply gap which we are filling with the new Sunny Backup Set S (the "s" is for "small") from SMA. If there is a power outage, the Sunny Backup Set S separates your solar plant from the grid and switches to supply your home with solar electric current. The system, which was awarded the 2007 Innovation Prize, equips you with a self-sufficient energy supply for the future.

The Sunny Backup Set S is a highly efficient and reliable complement to small, rooftop-mounted solar installations of up to 4.6 kW. If there is a power outage, it switches over to stand-alone operation completely automatically within 50 milliseconds. In so doing, the system uses the current stored in the battery sets in addition to the current produced directly by the solar installation. Whether summer or winter: the Sunny Backup S means solar power at any time, day or night.



How the Sunny Backup Set Small Works

With great efficiency, the **Sunny Boy solar inverter** ① converts the direct current produced at the modules into the alternating current. In turn, this is fed into the public grid without further loss during normal operation.

If there is a grid failure, the Sunny Backup Set becomes active automatically: the **switching feature** ② separates the solar plant and electric devices from the grid safely. If desired, one can also switch to self-sufficient supply manually.

While the plant switches to stand-alone operation, the most important loads, such as lamps, heating devices and freezers, are supplied from the

battery ③ with only 50 milliseconds pause at most. Due to the presence of the solar plant, the battery usually only has to bridge the night hours. Therefore it is small and inexpensive.

Acting as the system manager, the **Sunny Backup 2200** ④ coordinates all switching operations, namely the disconnection from the grid and the switching over of the solar plant. In this way, every grid failure is compensated reliably.

Regardless of the location of the backup system, the **Remote Control** ⑤ allows the reading of all data, and the switching over to stand-alone operation. This is a comfortable solution if the system is located in a basement with difficult access.

Components

- ① Solar Inverter
- ② Automatic Sunny Backup-switching device
- ③ Sunny Backup battery set
- ④ Sunny Backup 2200
- ⑤ Sunny Remote Control

Interested?

Then ask your local specialized dealer: he will be able to advise you on all important questions, so as to guarantee the professional planning and installation of your plant. In addition, visit the SMA specialized dealer search machine at www.solar-is-future.de



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