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swiss made to measure

SOLAR POWER SOLUTION

Our solar power solution provides reliable and independent power supply for remote locations.

Your Benefits

- ✓ Field proven design
- ✓ High reliability and flexibility
- ✓ Solar power solutions that are suitable for harsh environmental conditions
- ✓ Secure housing for all environments

Typical solar power installation

Typical Installation

The solution is flexible in order to meet your needs. A typical solar power installation includes

- ✓ solar panel and pole fixation kit,
- ✓ solar charge controller including
- ✓ overvoltage protection (OVP) and battery.

Our solar power solution is fully compliant with the complete range of GeoSIG instruments.

Customized Solar Power Solutions

The size of the solar panel depends on the power requirements of the installed GeoSIG components.
In addition we consider additional factors as the geographical location, environmental conditions, your project design and automony requirements. Based on these information we calculate the optimum system capacity and design suitable solar power solution for each site and system.

Typical solar power installation including lightening protection system

Optional

- ✓ field housing
- ✓ mast
- ✓ lightning protection system
- ✓ special accessories per request

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SOLAR POWER COMPONENTS

Solar Panel

Power	60 - 130 Watt
Current	3.5 - 7.0 A
Voltage	15 - 22 V
Weight	7 - 10 kg
Temperature Range	-40°- 85°C
Power Warranty	20 Years

Solar Panel Mast Kit

Pole fixing set for Solar modules

Pole diameter	7 - 10 cm

Solar Charge Controller

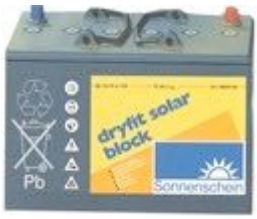
Includes separate OVP for solar power
(all 35mm DIN mountable)

Rated Solar Input	5 - 20 A
Rated Load	5 - 20 A
Regulation Voltage	12 - 24 V
Max panel voltage	30 V (in 12V system)
Self-consumption	< 4 mA
Temperature Range	-40° - 50°C

Battery

Maintenance free

Capacity	12 V / 24 - 100 A



Please note that solar components are frequently changed/improved by the manufacturers, therefore the context of this document is to provide an overview of typical characteristics. Depending on the particular system supplied the components may differ from the ones shown.