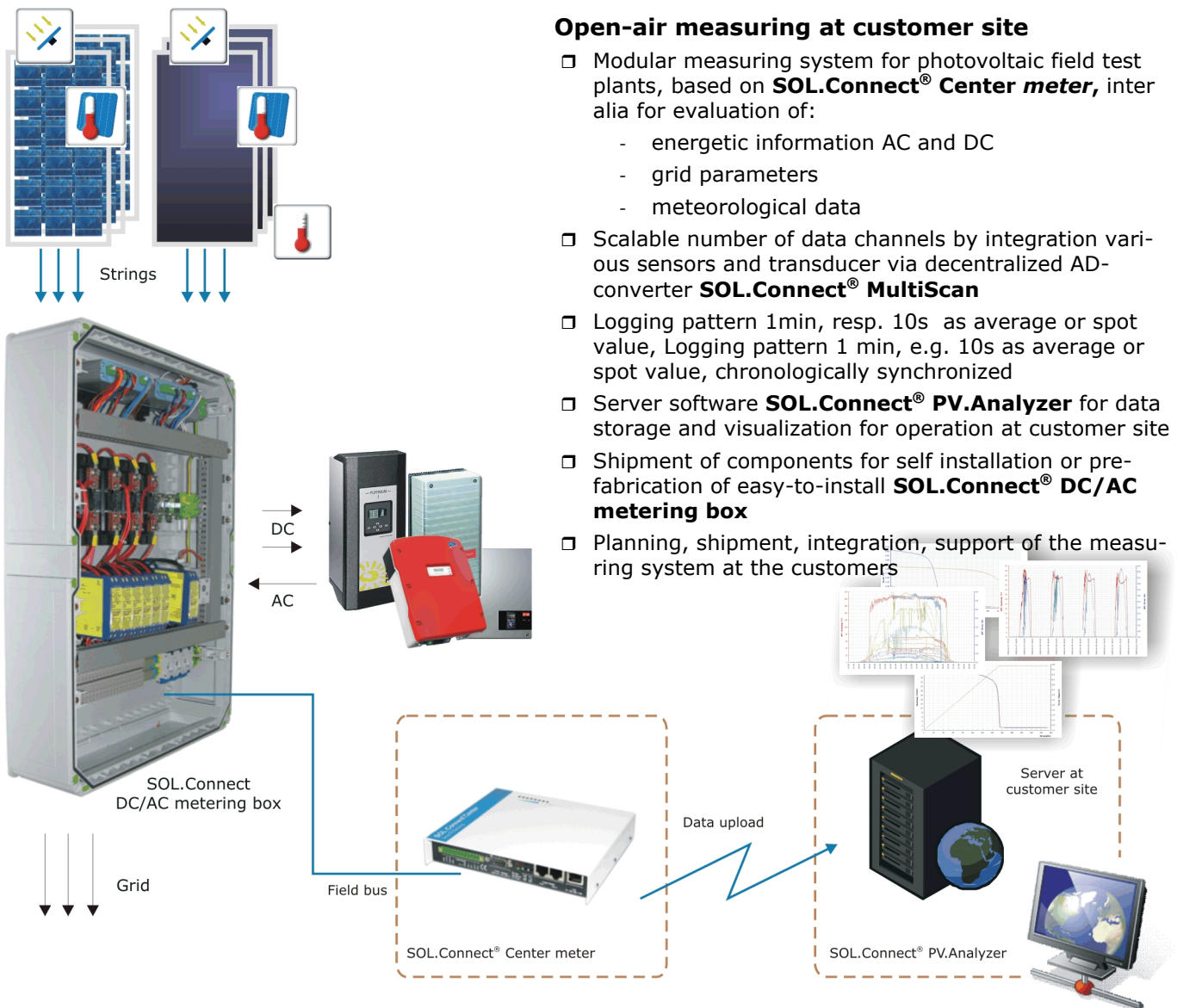


SOL.Connect® meter individual

Individual measuring systems for field test unit photovoltaics



Open-air measuring at customer site

- ❑ Modular measuring system for photovoltaic field test plants, based on **SOL.Connect® Center meter**, inter alia for evaluation of:
 - energetic information AC and DC
 - grid parameters
 - meteorological data
- ❑ Scalable number of data channels by integration various sensors and transducer via decentralized AD-converter **SOL.Connect® MultiScan**
- ❑ Logging pattern 1min, resp. 10s as average or spot value, Logging pattern 1 min, e.g. 10s as average or spot value, chronologically synchronized
- ❑ Server software **SOL.Connect® PV.Analyzer** for data storage and visualization for operation at customer site
- ❑ Shipment of components for self installation or pre-fabrication of easy-to-install **SOL.Connect® DC/AC metering box**
- ❑ Planning, shipment, integration, support of the measuring system at the customers

SOL.Connect® Center meter

- ❑ 20 data channels, scalable
- ❑ Data buffering storage for several months
- ❑ Chronological synchronization and conversion of measuring values
- ❑ Communication LAN, GSM, DSL, SAT-modem and more
- ❑ Optionally pre-mounted in Databox IP54

Digitalization SOL.Connect® MultiScan

- ❑ Configurable inputs:
 - Resistances PT1000, PT100, 2- or 4-wire measurement
 - Voltage transmitter 0-150mV_{dc}, 0-2,5V_{dc}, 0-10V_{dc}
 - Current transmitter 0(4)-20mA
 - Transmitter, counter
 - Sensors
 - Rotation input type encoder, float, anemometer, pyranometer, silicon cell, circulation counter, impulse generator and more
- ❑ Field bus up to 2km cable length
- ❑ Types IP40, IP65

SOL.Connect® DC/AC metering box

Ready for connection polycarbonate boxes IP54, consist of:

- ❑ SOL.Connect® MultiScan
- ❑ Converter for logging of voltage, currents, power rating, grid parameters
- ❑ Connection material and accessories
- ❑ Limit values:
 - DC: 600V/1000V, power via shunts up to 25A
 - AC voltage: 230/400V
 - AC power per wound current transformer: up to 40A
 - AC-yield per authenticated counter
 - 1- and 3-wire types

Communication/ analysis

- ❑ Data management at customer site: **SOL.Connect® Server**
- ❑ Web based analysis: **SOL.Connect® PV.Analyzer**
- ❑ Measurement value selection, - filtering and comparison
- ❑ Ready-made standard reports
- ❑ Data download