



- DC/AC panel measurements
- DC energy meter
- U and I measurements
- Power measurement
- Load monitoring
- Efficiency of the PV-Inverter



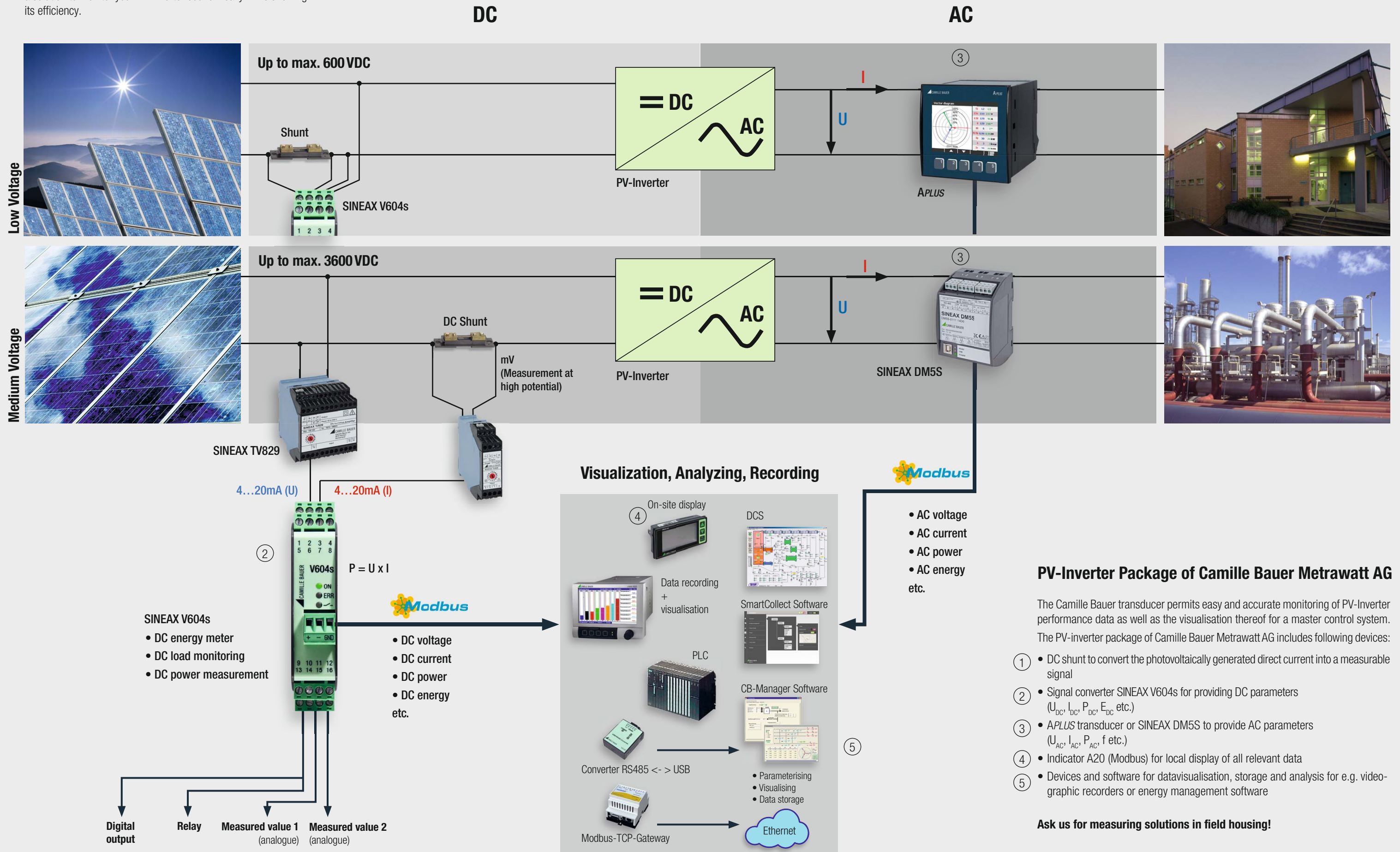
Measurement Solution for Photovoltaic Inverters



Application examples PV-Inverter

With conventional, commercially available photovoltaic inverters (PV-Inverter), efficiency (input and output side) and other electrical parameters require substantial effort to monitor and calculate.

The PV-Inverter package of Camille Bauer Metrawatt AG provides a solution to monitor your PV-Inverter economically while showing its efficiency.



Overview of the Camille Bauer Metrawatt Package



Programmable multifunctional transmitter SINEAX V604s

- Measurement of DC voltage, DC current, temperature (RTD, TC) and resistance
- 2 inputs (e.g. for sensor redundancy or difference)
- 2 outputs (U and / or I)
- System capability: Communication via Modbus interface
- Freely programmable relay, e.g. for limit or alarm signalling (VC604s)
- AC/DC wide-range power supply unit
- Gradient / limit value monitoring



Transducer APLUS TFT

- Acquisition and monitoring of system state quantities
- Universal process-I/O
- Open communication via Modbus, Ethernet or Profibus DP
- Long-term data storage with event recording
- Extended energy consumption monitoring
- Analysis of power quality aspects
- Monitoring of production facilities



Heavy current transducer SINEAX DM5S

- System state monitoring: class 0.2
- Energy metering: class 0.5 S, up to 16 tariffs
- Remote communication via Modbus
- Assisted commissioning
- Configuration without power supply



Indicator SINEAX A20

- Two serial interfaces (RS485) MODBUS RTU-master / slave
- Large OLED 2,7" display with 128 x 64 pixel
- Simple parameterization via 3 keys
- Up to 30 measurements can be visualized
- Reduced cabling (2-wire connection)



High-voltage isolation amplifier SINEAX TV829

- Safe galvanic isolation according to DIN EN 61010-1 and DIN EN 50124 (Cat. III)
- High test voltage: 10 kV
- Calibrated switch-over
- High common-mode rejection ratio: 150 dB



DC Shunt

- Shunts 1...20 000A
- Nominal voltage 60 / 100 / 150 / 300 mV
- Class 0.5, class 0.2 on demand



Rely on us.

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