Most important features

- **DC Combiner Box**
  String.CC IP65 with ground mountable pedestal
  String.CB IP65 wall mount enclosure
  Version available

- **8, 12, 16, 24, 32 PV strings can be connected**
  other versions available on request

- **Consistent 1000 VDC layout (option 1500)**

- **String monitoring measure device String.bloxx or String.bloxx "E"**

- **Overvoltage protection**
  SPD 1000 VDC

- **Lever type switch fuse**
  in positive and negative pole with contact protection
  push-in terminal block for string connection
  Conductor cross section 1,5 – 10 mm²

- **PV Fuse 10-20A/1000VDC**
  in positive and negative pole with contact protection

- **DC load break switch**
  120-400A

- **String connection terminals**
  1,5 - 10 mm² (optional MC3, MC4)

- **enclosure IP65 (material: polyester)**
  H800 x W600 x D300mm
  pedestal for burying into soil
  H925xW585xD31

- **Cable gland**
  M16 string cable (4,0-10,0mm)
  M50 DC Out cable (22,0-29,0mm)
  M25 COM cabel (10,0-17,0mm)
 M20 grounding cabel (6,5-12,0mm)

String Monitor Features

- **Features string monitoring "String.bloxx"**
- 8,16, 24 Current measurement channels
- 1 analog input channel for voltage, 0-1000 VDC string voltage
- 2 Digital inputs
  Monitoring of overvoltage protection and main switch
- RS485 fieldbus interface
  up to 115,2 kbps: Modbus-RTU (optional OEM)
- Signal conditioning
  calculated DC Power, linearization, mean value,
  Min/Max storage, alarm
- **Features String.bloxx 208, 116, 124**
- Integrated LC display, Display of all readings including current and DC power
- Analog current measurements ± 26 A
- 1 PT1000 Cabinet temperature sensor
- 1 PT1000 Input
- Monitoring of overvoltage protection and main switch
- **Features String.bloxx 116 E, 124 E**
  - o 16/24 Analog current measurements + 26 A
  - o On board Temperature sensor

String.bloxx 208, 116, 124

String.bloxx 116 E, 124E

DANGER

HIGH VOLTAGE

1500V

Key features:

- **8-32 PV solar strings per board,**

- **String.bloxx 208, 8 analog input channels for current**
  ± 26 A string current

- **String.bloxx 116, 16 analog input channels for current**
  ± 26 A string current

- **String.bloxx 124, 24 analog input channels for current**
  ± 26 A string current

- **1 analog input channel for voltage**
  0-1000 VDC string voltage

- **3 digital inputs**
  Monitoring of overvoltage protection and main switch

- **2 input channels for temperature**
  Panel and switch cabinet temperature

- **1 digital output**

- **Signal conditioning**
  calculated DC Power, linearization, mean value, scaling, alarm

- **Integrated LC display**
  Display of all readings, configuration

- **RS485 fieldbus interface**
  up to 115,2 kbps: Modbus-RTU (optional OEM protocols)

- **Connectable to data logger**
  e. g. Q.reader or other 3rd party applications

- **Electromagnetic Compatibility**
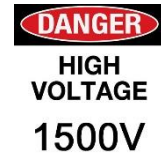
Key features:

- **16-32 PV solar strings per board,**

- **String.bloxx 116E, 1000V System Voltage, 16 analog input channels for current**
  ± 26 A string current

- **String.bloxx 124E, 1000V System Voltage, 24 analog input channels for current**
  ± 26 A string current

- **String.bloxx 116E 1500V, 1500V System Voltage, 16 analog input channels for current**
  ± 26 A string current

- **String.bloxx 124E 1500V, 1500V System Voltage, 24 analog input channels for current**
  ± 26 A string current

- **1 analog input for voltage measurements**
  0-1000 VDC string voltage

- **2 Digital inputs**
  Monitoring of overvoltage protection and main switch

- **On board temperature channel**
  1 Digital, onboard, accuracy ±1°C, -40°C to 125°C

- **Signal conditioning**
  Calculated DC Power, linearization, mean value, scaling, alarm

- **RS485 fieldbus interface**
  up to 115,2 kbps: Modbus-RTU, (optional OEM protocols)

- **Connectable to data logger**
  e. g. Q.reader or other 3rd party applications

- **Electromagnetic Compatibility**
  according to EN 61000-4 and EN 55011

- **Power Supply 18 .. 36 VDC 1.5W**

- **DIN rail or wall mounting a ccording to DIN 50022**