

INTELLIGENT SYSTEM MONITORING

IBC SolControl



PRODUCT ADVANTAGES:

Complete transparency for all system values – any time, anywhere

Reliable monitoring system ensuring maximum system output at all times

The appropriate IBC SolControl model for every system size:

- For private users and systems of up to 20 kW – IBC SolControl Light +
- For farmers and business people – IBC SolControl Basic
- For solar parks and investors: professional system monitoring and evaluation – IBC SolControl Pro

System data is saved in its entirety for a minimum of 20 years

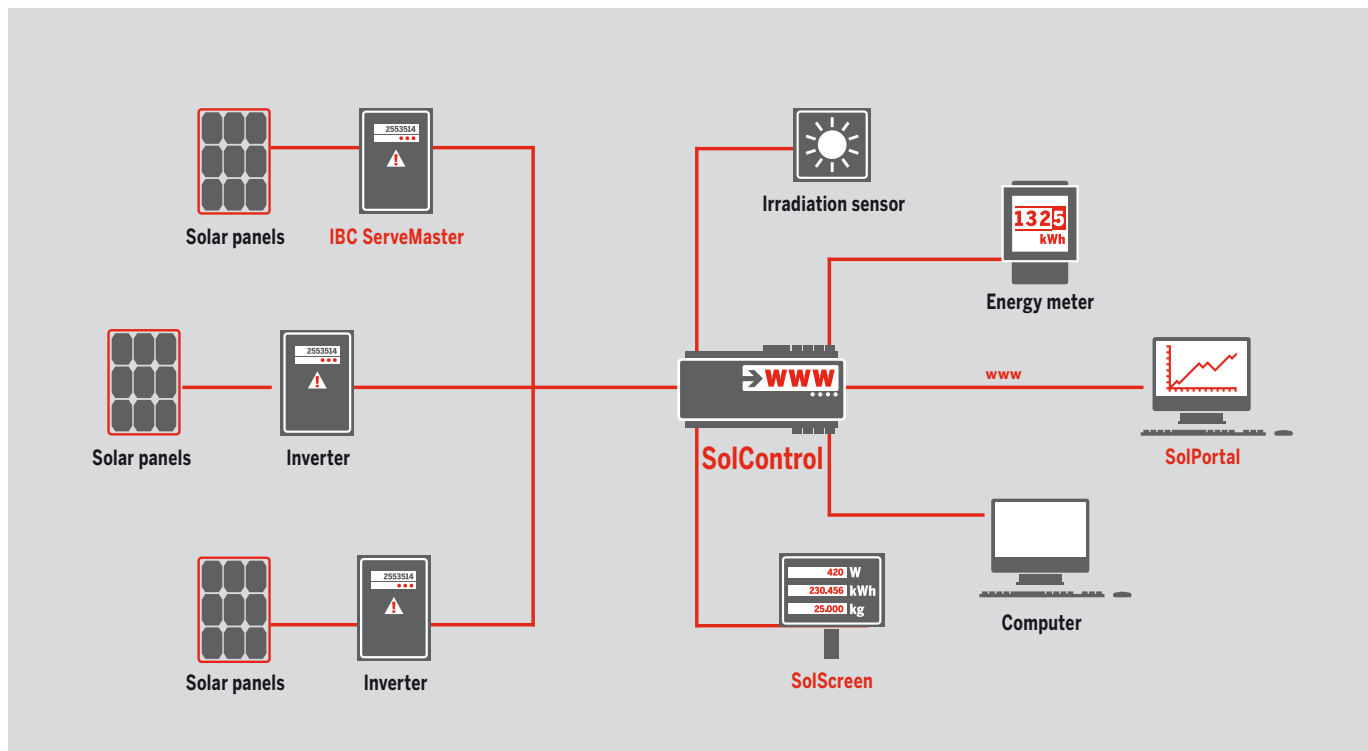
Control of output reductions required by the German Renewable Energy Sources Act (EEG) for systems of over 100 kW

Optional sensors enable comparisons of system data with exact on-site weather data

Remote diagnostics possible using GSM/GPRS

Our tip:

The IBC SolControl series boasts intelligent mechanisms that can determine whether there is an actual fault in the system or whether snow, for example, is preventing power generation. This spares you unnecessary maintenance work and helps you save money.



Schematic drawing showing the use of the IBC SolControl

TECHNICAL DATA

IBC SolControl	Light+	Basic	Pro
Inputs (programmable)	1 × analog (PT 1000, 0...10 V, 0...20 mA) 1 × digital (SO)	1 × analog (PT 1000, 0...10 V, 0...20 mA) 1 × digital (SO)	4 × analog (PT 1000, 0...10 V, 0...20 mA) 4 × digital (SO)
Accuracy of measurement			
Voltage input	1 % of final value (0.1 V)	1 % of final value (0.1 V)	1 % of final value (0.1 V)
Current input	1 % of final value (0.2 mA)	1 % of final value (0.2 mA)	1 % of final value (0.2 mA)
Output	1 × digital (SO)	1 × digital (SO)	1 × digital (SO)
Interfaces	1 × RS 485/422 (switchable) – ethernet connection (100 Mbit)	1 × RS 485/422 (switchable) – ethernet connection (100 Mbit)	1 × RS 232/422 (switchable) 1 × RS 485 ethernet connection (100 Mbit)
Modem (optional)			
DSL/ethernet	standard	standard	standard
Analog	optional	optional	optional
ISDN	–	optional	optional
GPRS/GSM	–	–	optional
General data			
Width × height × depth	mm 160 × 110 × 63	160 × 110 × 63	160 × 110 × 63
Installation	mounting rail or wall	mounting rail or wall	mounting rail or wall
Weight	g 436	436	436
Power consumption	max. 7.5 W at 230 V AC max. 2.4 W at 24 V DC	max. 7.5 W at 230 V AC max. 2.4 W at 24 V DC	max. 9 W at 230 V AC max. 3.5 W at 24 V DC
Storage medium	CF card	CF card	CF card
Other	max. 5 devices connected to bus max. system size: 20 kWp	max. 31 devices connected to bus output not restricted	max. 31 devices connected to bus output not restricted
Article numbers			
DSL/ethernet	4400200011	4400200015	4400200019
Analog	4400200010	4400200013	4400200016
ISDN	–	4400200014	4400200017
GPRS/GSM	–	–	4400200018

Subject to technical changes for further improvements.