



**Article number:** 231 222  
**Description:** SITOP Solar 1100 Master

### Inverter: SITOP Solar 1100 Master

The new modular system technology enables the direct current from the photovoltaic module to be converted into alternating current as early as possible in the energy supply chain. This eliminates the need for costly DC current distribution and the main DC leads that were previously necessary. The **Siemens SITOP Solar 1100 Master inverter** has a broad MPP voltage range, allowing for optimum adjustment to the solar generator. The integrated independent mains monitoring allows connection anywhere along the 230 V power supply (single phase connection).

#### Input variables (DC)

Recommended max. generator output	$P_{PV}$	1400 W
Max. open circuit voltage	$U_{PV, DC}$	675 V
MPP range	$U_{PV}$	200 – 630 V
Max. input voltage	$I_{PV, max}$	6 A
ENS and FI		Yes

#### Output values (AC)

Max. output	$P_{AC, max}$	1200 W
Power rating	$P_{AC, B}$	1100 W
Distortion factor	k	< 5 %
Max. efficiency	$\eta_{max}$	94 %
European efficiency level	$\eta_{euro}$	92.5 %
Power consumption (operational)		< 7.5 W
Power consumption (night-time operation)		1 W
Operating temperature range		-10 °C ... +50 °C
Relative humidity		< 95 %
Protection rating (DIN EN 60 529)		IP21
Size (W x H x D)		175 x 430 x 135 mm
Weight		Approx. 5.7 kg
Declaration of conformity		Yes

#### Features

- The transformer-free technology and stable current means high yield with minimal weight.
- No DC distribution required.
- Integrated mains monitoring (VDEW regulations)
- Integrated MPP tracker allows differing string lengths and solar generator set-ups to be implemented in a single system.
- Integrated display screen for on-site checking of all major parameters.
- "Counter light" to display current feed.
- RS232 serial interface for PC or modem connection.
- Multiple evaluation options through SITOP log PC visualisation software.
- Connection option for solar radiation and module temperature sensor.
- Integrated data logger for recording all major parameters.
- No potential equalisation of module frames necessary thanks to patented switching concept.