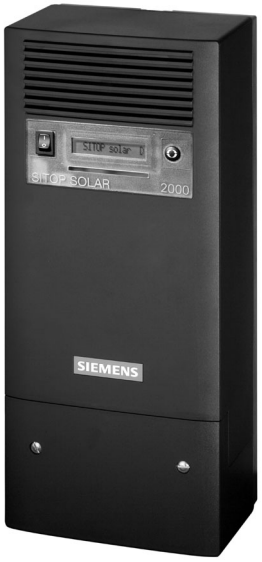

Article number: **231 225**
Description: **SITOP Solar 2000 Master**

Input variables (DC)			
Recommended max. generator output	P_{PV}	2600	W
Max. open circuit voltage	$U_{PV, DC}$	675	V
MPP range	U_{PV}	200 – 630	V
Max. input voltage	$I_{PV, max}$	10	A
ENS and FI		Yes	
Output values (AC)			
Max. output	$P_{AC, max}$	2200	W
Power rating	$P_{AC, B}$	2000	W
Distortion factor	k	< 5	%
Max. efficiency	η_{max}	94	%
European efficiency level	η_{euro}	93	%
Power consumption (operational)		< 9	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	

Inverters: SITOP Solar 2000 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 2000 Master inverter** has a broad MPP voltage range, allowing for optimum adjustment to the solar generator. The integrated independent mains monitoring allows (single phase) connection at any point along the 230 V mains supply. One master device can be enhanced with up to two slave devices.

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.
- May be enhanced with up to two slave devices.