Article number: **231 717**
Description: **SMC 5000-D**

Input variables (DC)			
Max. output	$P_{PV, max}$	5750	W
Voltage range	U_{PV}	270 – 600	V
Max. input voltage	$I_{PV, max}$	26	A
Max. no. of strings (parallel)		4	
Separator		MC–T3 plug system	
Earth leakage protection		Yes	
Reverse battery protection		Yes	
Output values (AC)			
Max. output	$P_{AC, max}$	5550	W
Power rating	$P_{AC, B}$	5000	W
Distortion factor	k	< 4	%
Voltage operating range	U_{AC}	198 – 260	V
Frequency range	f_{AC}	49.8 – 50.2	Hz
Short circuit stability		Yes	
Mains connection		High–strength cable gland	
Max. efficiency	η_{max}	96.0	%
European efficiency level	η_{euro}	<95.1	%
Power consumption (operational)		< 10	W
Power consumption (night–time operation)		0.25	W
Size (W x H x D)		468 x 613 x 242	mm
Weight		Approx. 63.0	kg
Protection (DIN EN 60 529)		IP65	
Operating temperature range		–25 °C ... +60	°C

Operational data displayed:
- Current feed values
- Current voltage
- Overall yield
- No. hours operation to present
- Daily yield
- Fault
- Cause of fault

Note:
An unbalanced load of more than 4.6 kVA must be avoided.

Inverter: SMC 5000-D

The **SMC 5000-D Mini Central inverters** offer the advantages of an inverter with transformer together with all the necessary monitoring and protective devices (ENS) for secure operation of a photovoltaic system fed in 3 phases without separate shut–off device. IP65 protection and compact dimensions allow the SMC 5000–D to be installed directly on the solar generator. This both obviates the need for a separate space or switch cupboard for installation and keeps cable–related losses to a minimum.
The efficiency level of 96% for inverter with transformer, unique in its class, ensures the highest possible yields. Its new, active cooling concept ensures that the system operates reliably even where ambient temperatures are high.

Quality features, certificates

- Communication via Powerline, RS232, RS485 or radio signal using Sunny Beam.
- Extremely efficient
- DC connection: MC–T3 plug–in system
- No photovoltaic current distribution required any more
- Integrated mains monitoring (VDEW regulations)
- Diagnosis and communication via the network:
  PV voltage, mains voltage and mains frequency, feed supply and feed output, operating hours, energy supplied (kWh), operating mode.
- Protection class IP 65
- Protection of installation and people through sensitive protective circuit, insulation monitoring, and protection against excess voltage.
- CE mark
- Extended temperature range (–25 °C to +60 °C ambient temperature).
- Key operating data and faults displayed on a special cover.