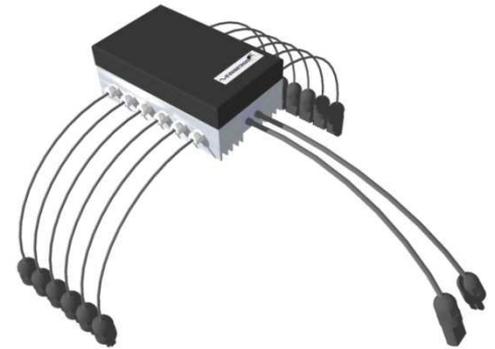# SINUSSTROM MOSQUITO
Datasheet

The SINUSSTROM MOSQUITO is generator junction box for large-scale photovoltaic systems which are based on a central inverter concept.

This product is characterized by a wireless connection between the SINUSSTROM MOSQUITO and the base. Therefor a particularly convenient installation is guaranteed. A weather-resistant housing according to the protection class IP65 and an on customer request individually pre-assembled wiring, provides optimal integration in your system.

The implemented string monitoring, which is active day and night, of the SINUSSTROM MOSQUITO includes in addition to the highly accurate measuring of the input currents and board temperature, a monitoring of the single strings and furthermore guaranties an alarm function for an immediate error detection and theft detection of the individual solar strings. Unwanted yield losses can be reduced to a minimum.

All measured data are recorded and saved centrally. For analysis and visualizations made later they can be used ideally. The monitoring portal **Sinusstrom-Control** was specifically designed for the SINUSSTROM products MOSQUITO and SPIDER. A full string monitoring even for large-scale systems can be set up quick and easily.

SINUSSTROM MOSQUITO technical data overview	
input (DC)	
string number (measuring channels)	6
max. input current / string	10 A
max. input current / 6 strings	60 A
min. input voltage (strings)	100 V
max. input voltage in idle state	1000 V
input power	ca. 40 kWp
DC-input male cable connector	MC or custom-made
output (DC)	
max. output current	60 A
nominal load	ca. 40 kWp
DC-output female cable connector	MC or custom-made
total power loss	max. ca. 40 W
efficiency	ca. 99,83 %
general Technical Data	
protection class electronics / connection range	IP 65
surrounding conditions (°C)	-20 to +70°C
interface Receiver	USB
protocol	proprietary (open)
beltline hook	Ø 6 mm
metering precision	1-2 %

String Monitoring Portal **www.sinusstrom-control.com**
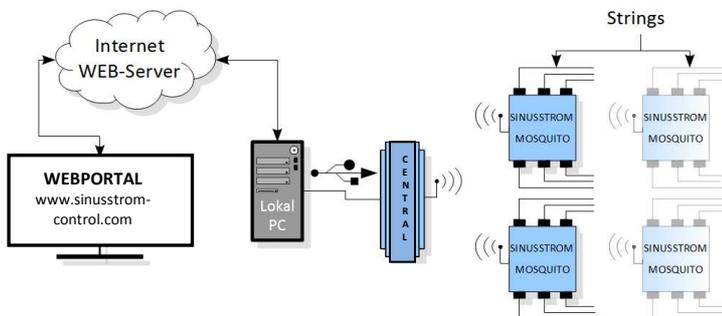
Schematic layout communication between
Sinusstrom-Control und **SINUSSTROM**