

# METER CONNECTION BOX

METER CONNECTION BOX



## User-friendly

- Logging the electricity purchased from the grid, feed-in and self-consumption
- Clear display of data for analysis in Sunny Portal

## Simple

- Convenient installation with SMA communication products
- Easy integration into existing PV plant monitoring

## Flexible

- Compatible with current energy meters with S0 pulse output

## METER CONNECTION BOX

Analysis of energy consumption made easy

Smart and simple: The Meter Connection Box makes it easy to integrate energy meters into your PV plant monitoring system. It can be connected directly to the S0 output of an energy meter to receive changes in the meter reading. In combination with the Sunny WebBox and Sunny Portal, your personal energy balance is clearly displayed and can easily be analyzed. Depending on the type of energy meter, the Meter Connection Box displays the power drawn from the grid, the energy generated by the PV plant, and the PV self-consumption. It is the ideal tool for sustainably optimizing your energy consumption.

Technical Data	Meter Connection Box
<b>Communication</b>	
Data logger	RS485 to Sunny WebBox
Energy meter	S0 pulses
<b>Terminals</b>	
Sunny WebBox	4-pole spring-type terminal
Energy meter	2-pole spring-type terminal
<b>Max. communication range</b>	
To Sunny WebBox	1,200 m
To energy meter	3 m
<b>Power Supply</b>	
Power supply	Plug-in power supply
Input voltage	12 V... 24 V DC +/- 10%
Power consumption	1 W
<b>Environmental Conditions in Operation</b>	
Ambient temperature	-20 °C ... +65 °C
Relative humidity	5 % ... 95 %, non-condensing
Degree of protection	IP20
Altitude above mean sea level (AMSL)	0 m ... 2,000 m
<b>General Data</b>	
Dimensions (W / H / D) in mm	102 mm / 30 mm / 54 mm
Weight	80 g
Mounting location	Indoors
Mounting type	Top-hat rail/wall mounting bracket
Status display	LEDs
Language versions - manual	German, English, Spanish, Italian, French, Dutch, Czech, Greek, Portuguese
<b>Features</b>	
Operation	Via the Sunny WebBox interface
Warranty	5 years
Certificates and permits	<a href="http://www.SMA-Solar.com">www.SMA-Solar.com</a>
<b>Energy Meter Requirements</b>	
S0 impulse output	DIN EN 62053-31

Please note that the meter seal has to be removed in order to connect the Meter Connection Box. This process must be approved by your electric utility company.

