

METER BOX FOR SUNNY BACKUP

SBU-METERBOX



For enhanced self-consumption with Sunny Backup-Systems S/M/L

Reliable

- Increase of self-consumption rate with the Sunny Backup

Precise

- Fast data capture thanks to DO interface on electronic meters
- Precise and fast control by means of the Sunny Backup

Simple

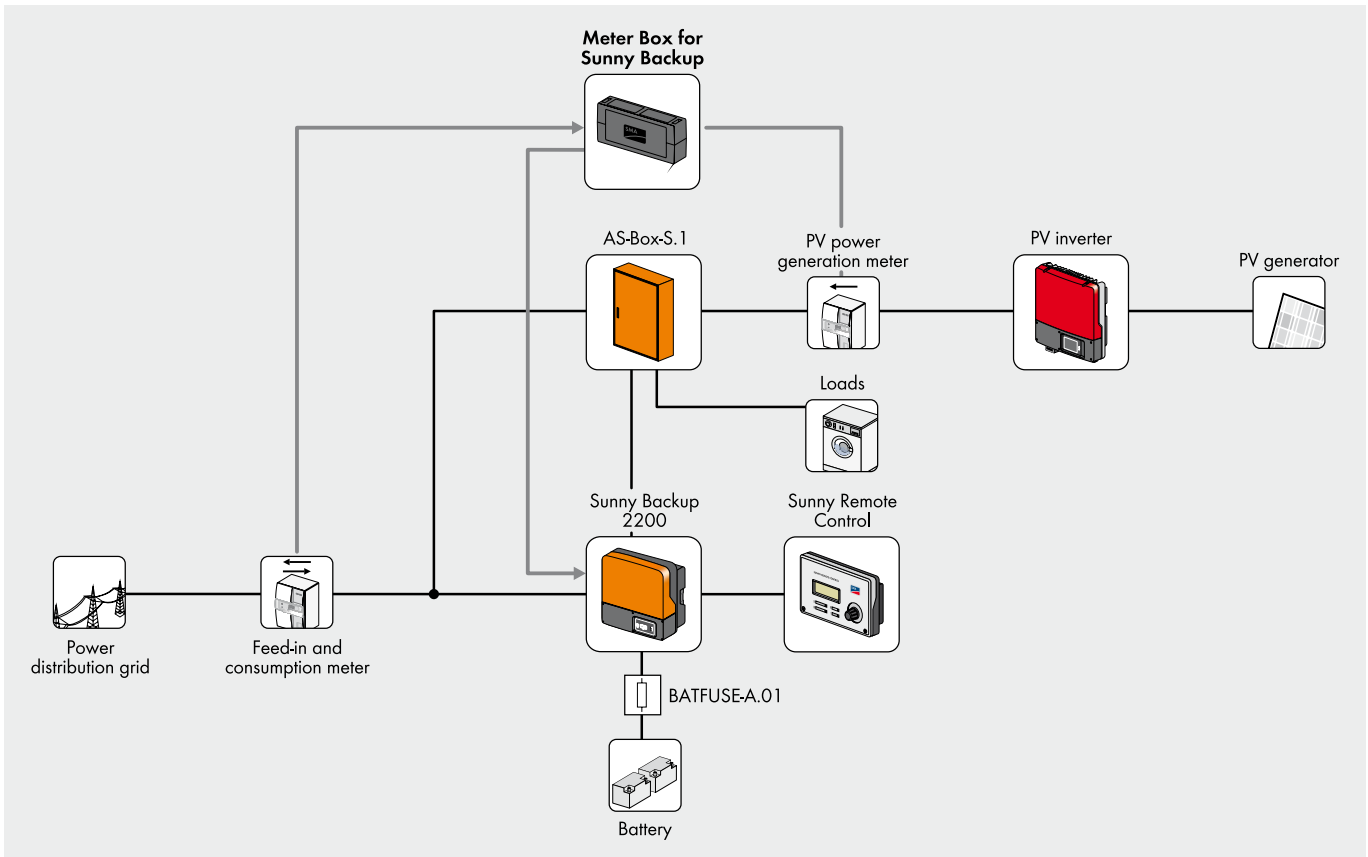
- Cabling via plug connectors
- Fast top-hat rail mounting

METER BOX FOR SUNNY BACKUP

Higher self-consumption through buffering of solar power

The Meter Box for Sunny Backup enables current flows to be captured fast and with great precision, thus guaranteeing optimum enhancement of self-consumption. After all, the efficient buffering of solar power for night use is the crucial factor for increasing the self-consumption rate. And the result is a greater independence from the grid operator and a reduction in power drawn from the public grid. To enable Sunny Backup to operate with greatest efficiency, the electricity meters are read out by the Meter Box for Sunny Backup. This precise capture of the current flows enables the battery to be charged and discharged economically, and this in turn maximizes battery life and optimizes self-consumption.

Technical Data	Meter Box for Sunny Backup
Communication	
Energy meter	D0 interface
Meter types	www.SMA.de
Terminals	
Sunny Backup	RJ45
Energy meter	RJ10
Voltage supply	
AC input voltage	8 V ... 20 V / ±10 %
Frequency of AC input voltage	50 Hz / 60 Hz
DC input voltage	9 V ... 24 V / ±10 %
Power consumption (typical / maximum)	1 W/1.5 W
Climate conditions during operation	
Ambient temperature	0 °C ... +50 °C
Relative humidity (non-condensing)	5 % ... 95 %
Maximum installation height above sea level	3000 m
General Data	
Dimensions (W/H/D)	142 mm x 76 mm x 40 mm
Weight	150 g
Status display	LEDs
Degree of protection (as per IEC 60529)	IP20
Maximum length of communication cables to the Sunny Backup and Automatic Switch Box	20 m
Maximum length of cables to the optical read-out probes with extension cables	2 m
Mounting type	Rail mounting / wall bracket
Features	
Warranty	5 years
Certificates and approvals	CE
Accessories	
Plug-in power supply	●
Adapter for RJ10	○
Optical probes for D0 interface	○
Extension to RJ10 cable	○
Type designation	SBU-Meterbox
● Standard features ○ Optional	



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