

Product comparison		Solar-Log 250	Solar-Log 300	Solar-Log 1200	Solar-Log 2000
Basis functions	Standard	●	●	●	●
	PM+ ²⁾	-	●	●	●
	PM+ / GPRS ²⁾	-	●	●	● ⁴⁾
	GPRS ²⁾	-	●	●	●
	Solar-Log™ Meter (CT)	-	●	●	-
	Central inverter SCB and SMB	-	-	-	●
	Inverter connection options	Ethernet 1 x RS485/RS422	Ethernet 1xRS485/RS422 (1 inverter manufacturer per bus, max. total of 100 INV)	Ethernet, 1xRS485, 1xRS485/RS422 (1 inverter manufacturer per bus, max. total of 100 INV / device)	Ethernet, 1xRS485, 2xRS485/RS422, 1xCAN (1 inverter manufacturer per bus, max. total of 100 INV / device)
	Max. plant size	-	15 kWp	100 kWp	2000 kWp
	Max. cable length	-	Max. 1000 m ¹⁾	Max. 1000 m ¹⁾	Max. 1000 m ¹⁾
	Plant monitoring	String monitoring / MPP Tracker (depending on type of inverter)	●	●	●
Monitoring of central inverters		-	-	-	●
SCB and SMB connections		-	-	-	●
Inverter failure, status of fault and power monitoring		●	●	●	●
Sensor system connection (irradiation / temp. / wind)		● ³⁾	● ³⁾	● ³⁾	● ³⁾
E-mail and text message (SMS) alert		●	●	●	●
Alarm (local)		-	-	-	●
Yield forecast		●	●	●	●
Self-produced energy consumption: Digital electricity meter		●	●	●	●
Self-produced energy consumption: Managing external appliances		-	●	●	●
Feed-in management	Reduction to X percent (with and without the calculation of self-consumption)	-	●	●	●
	Limit of X percent (with adjustable fixed reduction)	●	●	●	●
	Remote controlled active and reactive power reductions (with the calculation of self-consumption)	-	PM+	PM+	PM+
	Feed-in management with response signals	-	-	-	PM+, Utility Meter, PM-Package or Modbus TCP PM

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Integrated web servers	●	●	●	●	Visualization
Graphic visualization – PC local and Internet	●	●	●	●	
LCD-Status-Display	●	●	●	●	
Display on the unit	-	-	4.3" TFT color display	4.3" TFT color display	
Controls on the unit	-	-	Via touch display	Via touch display	
Large external display RS485 / S ₀ pulse	-	●	●	●	
HTTP data transfers to Solar-Log™ WEB for low data volumes	●	●	●	●	
FTP data transfer to third-party portals ⁵⁾	-	●	●	●	
Easy Installation	●	●	●	-	Installation
Network detection / DHCP	●	●	●	●	
Name resolution http://solar-log	●	●	●	●	
Ethernet network	●	●	●	●	Interfaces
USB flash drive	●	●	●	●	
Potential-free contact (relay)	-	-	●	●	
Alarm contact (anti-theft)	-	-	-	●	
Power supply voltage / device voltage /current consumption	115 V – 230 V / 12 V / 3 W				General data
Ambient temperature	-10 °C to +50 °C				
Housing/dimensions (w x h x d) in cm / Mounting /Protection level	Plastic / 22.5 x 28.5 x 4 / Wall-mounted / IP 20 (indoor use only)				
Connection to Solar-Log™ WEB “Commercial Edition”	●	●	●	●	
Weight ⁶⁾	710 g	710 g	800 g	810 g	
Multi-lingual (DE, EN, ES, FR, IT, NL, DK, TR, JP, CN)	English ⁷⁾	●	●	●	
Memory, Micro-SD, 2 GB, endless data logging	●	●	●	●	
Warranty	2 years	2 year manufacturer's warranty plus a 3 year extended warranty after registering at www.solar-log.com			

1) Depending on the inverter used and the cable type (details can also vary from one type of device to another).

2) Other important information about compatibility, Powermanagement and self-consumption and SCB and SMB inverters can be found on our website www.solar-log.com.

3) Using every inverter on the same bus is not always possible; please see the inverter database at www.solar-log.com.

4) Solar-Log 2000 PM+ / GPRS Communication interface 1 x RS485, 1 x RS485/RS422 (1 inv. manufacturer per bus).

5) It is possible to make a data transfer to third-party portals once per day via FTP - an additional license is required for more frequent transfers.

6) Weight of the standard version; deviations possible depending on the particular model.

7) Available: DE, ES, FR, IT, NL, DK

	Accessories	Article number	Solar-Log 250	Solar-Log 300	Solar-Log 1200	Solar-Log 2000
Smart Plugs	AllNet Standard 3.5 kW, measuring function	255879	-	●	●	●
	AllNet WLAN 1.8 kW, without measuring function	255616	-	●	●	●
	Gude 1100 / 1101, measuring function	www.gude.info	-	●	●	●
	Gude 1102 / 1103, without measuring function	www.gude.info	-	●	●	●
	Belkin WeMo Insight Switch, 16 A ³⁾ WLAN, measuring function	255841	-	●	●	●
Relays	Solar-Log™ Smart Relay Station, 3 x 16 A (3 x 3.5 kW)	255755	-			
	Smart Relay Box 8 Relays	255656	-	● ⁴⁾	●	●
	Gude Expert Net Control 2301 - 4x Relays Top-hat-rail mounting 230 V	www.gude.info	-	●	●	●
	Gude Export Net Control 2104 - 1 Relay Output	www.gude.info	-	●	●	●
	Gude Export Net Control 2110 - 4 relay outputs, controllable individually by Solar-Log™	www.gude.info	-	●	●	●
Meters	EGO Smart Heater	255840	●	●	●	●
	Solar-Log™ PRO380-Mod	255913	●	● _{S₀} ⁴⁾	●	●
	Iskra power meter, 1-phase - S ₀	255346	●	●	●	●
	Iskra power meter, 3-phase - S ₀	255347	●	●	●	●
	Solar-Log™ Utility Meter	255385	-	● ⁵⁾	● ⁵⁾	●
CTs	16 A sealed, 100 A sealed, 100 A open	See page 59	-	● (Meter)	● (Meter)	-
WiFi	Wireless Kit TP-Link	256012	●	●	●	●
	Wireless Kit Netgear	256013	●	●	●	●
Sensors	Sensor Box Professional Plus ¹⁾	220060	●	●	●	●
	Sensor Box Professional ¹⁾	255896	●	●	●	●
	Sensor Basic ¹⁾	255895	●	●	●	-
	Lufft UMB WS503	www.lufft.de	-	●	●	●
Misc.	PowerLine Package	255886	●	●	●	●
	Overvoltage Protection		255602	255602	255601	255601
	Special PiggyBack for SMA	220020	●	●	●	●
	Outdoor case	See page 89	●	●	●	●

1) Can be connected to the same RS485 bus with some inverters; 2) separate RS485 interface always required - not with inverters on one port; 3) Independent of country version; 4) note that only one RS485 port is available; 5) only power meter, no reactive power, cos phi, etc.

Interface

Solar-Log 250

Solar-Log 300

Solar-Log 1200

Solar-Log 2000

	Solar-Log 250	Solar-Log 300	Solar-Log 1200	Solar-Log 2000
RS485/RS422 - interface usage	RS485/RS422 - combined interface usage	RS485 - interface, RS485/RS422 - combined interface usage	RS485 - interface, RS485/RS422 - combined interface usage	RS485 A - interface, RS485/RS422 B, RS485/RS422 C* - combined interface usage
Inverter connection (Fronius / Sunville can be connected on an RS422 interface without an additional interface converter)				
	Connection of a Sensor Basic to record environmental data (irradiance and module temperature sensor)	Connection of a Sensor Box Professional Plus to record environmental data (irradiance, module and ambient temperature, wind sensor)		
	Sensor Box Professional			
	Meter connection, numerous options			
RS485 - interface usage	-	Connection of the display panels produced by Schneider Displaytechnik, Rico or HvG		
	-	Smart Relay Box connection for the management of consumption data		
	-	-	-	Connecting the Utility Meter and I/O Box for PM remote control technology
CAN-bus	-	-	-	For the connection of Voltwerk inverters and other inverters with a CAN interface
S ₀ pulse input - for optional recording and calculation of self-produced power consumption				
2x S ₀ -In / 1x S ₀ -Out	-	Second input to connect an additional power meter		
	-	S ₀ pulse output to connect large external displays, pulse factor can be set to any value		
Relay	-	-	For external switch control, e.g. heat pumps	
Alarm	-	-	-	Connection for anti-theft protection via contact loop for external alarms via potential-free contact
USB connection	-	To access data / Import firmware updates at plants		
PM+	-	For connection of a Ripple Control Receiver to regulate the plant		
	-	Fulfills the EEG 2012 requirements (Germany)		
Solar-Log™ Meter (optional)	-	Current measurements via transformers (extra accessory) up to 2 x 3 phases or 6 single phases		
Network	Connection to the internet (Ethernet, fixed IP address or DHCP)			
GPRS (optional)	-	Antenna connection and SIM card slot for Solar-Log™ with integrated GPRS		

Inverter interfaces

Additional function interfaces

Network

* not with GPRS models