




Monitor, analyze, win!



	solarone³⁰ 	solarone¹⁰⁰ 	solarone¹⁰⁰⁰ 
Main parameters	E, P, U, I	E, P, U, I	E, P, U, I
Additional parameters^{*1}		Cos φ	Cos φ, MPPT (I, U), T
Readings from power meters	Yes	Yes	Yes
Connection to other devices	-	Yes	Yes
Data reading frequency	15 min	5 min	Configurable from 5s ^{*2}
Device data buffer for communication failures	-	12 h	24 h
Maximal PV plant power	30 kWp	100 kWp	Unlimited kWp
Number of connected inverters	2	4	8
Communication	WiFi, RS-485	WiFi, RS-485	WiFi, RS-485, Ethernet, LTE ^{*3}
Ambient sensor connection	1	2	2
Other signal connection 4..20 mA	-	-	1
Load control channels	-	2	4

*1 Number of additional parameters depends on inverter model.

*2 Data reading frequency depends on parameter type.

*3 Controller with LTE communication under development.

Product data sheet

solarone³⁰



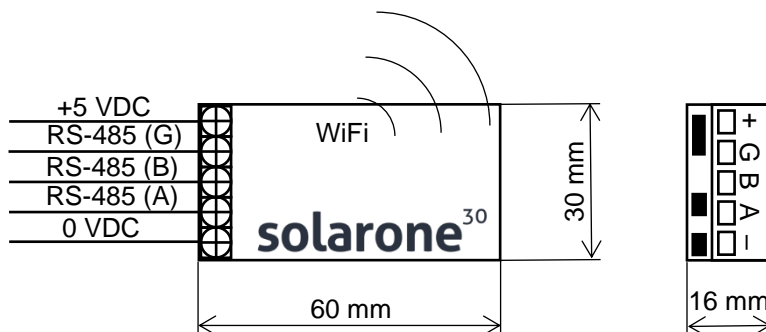
Main

Range of product	solarone 30
Product type	Logic controller
Rated supply voltage	5 VDC

Complementary

Integrated connection type	RS-485 interface (screw terminal)
Transmission rate	19.2 kbit/s
Communication service	Modbus, Aurora protocols for connections with PV inverters (ask for the list of supported inverters)
Internet connection type	WiFi
Communication service	Encrypted direct connection to cloud database
Electrical connection	Screw terminal block for supply and RS-485 connection
Height	16 mm
Depth	60 mm
Width	30 mm
Ambient air temperature for operation	-10...55 °C
Ambient air temperature for storage	-25...70 °C
IP degree of protection	IP20

Connections and schema



Product data sheet



solarone¹⁰⁰

solarone¹⁰⁰⁰

Main

Range of product	solarone 100, solarone 1000
Product type	Logic controller
Rated supply voltage	5-24 VDC
Discrete output type	Relay normally open
Discrete output number	2 relay for solarone 100, 4 relay for solarone 1000
Discrete output voltage	5...125 V DC 5...250 V AC
Discrete output current	2 A

Complementary

Integrated connection type	RS-485 interface (screw terminal)
Transmission rate	19.2 kbit/s
Communication service	Modbus, Aurora protocols for connections with PV inverters (ask for the list of supported inverters)
Internet connection type	WiFi
Communication service	Encrypted direct connection to cloud database
Electrical connection	Screw terminal block for power supply, RS-485 connection and relay outputs
Height	38 mm
Depth	110 mm
Width	72 mm
Ambient air temperature for operation	-10...55 °C
Ambient air temperature for storage	-25...70 °C
IP degree of protection	IP20

Connections and schema

