

Modbus R2 ETH

WiFi Ethernet RS485 Controller with 2 relays

The **Modbus R2 ETH** is an advanced RS485 communication controller designed for efficient management of **solar inverters and battery storage systems**. It enables seamless integration between power sources and consumers, ensuring optimized energy distribution. Equipped with two independent relay outputs, the device allows for intelligent load control, automating the operation of electrical appliances based on real-time energy conditions.

With **RS485 Modbus support**, the device ensures reliable communication, making it an ideal solution for smart energy management in **residential, commercial, and industrial applications**.

Function	Interface	LAN/ RS485/WIFI
	WIFI	2.4GHz 802.11 b/g
	Baudrate RS485 default	9600
Output	Relay Power	AC 250V/10A,DC 30V/10A
	Contacts	Normally Closed (NC) Normally Open (NO)
Input	Definition	Input 1 & GND - Relay 1 ON / Input 2 & GND - Relay 2 ON
Temperature and Humidity	Storage temperature	-40°C to +70°C
	Operating temperature	-20°C to +70°C
	Relative humidity (during operation)	25°C @ ≤95%, no condensation
Parameters	Dimensions	90x90x40mm
	Weight	120g
Installation	Options	DIN / 4x5mm mounting holes
Power	Power Specifications	12/24VDC
	Current	0.15A/12V (recommended 1A/12V)
	Power consumption	max 2W

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