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TECHNICAL
DOCUMENT

CONFIGURATION OF
MODBUS TCP/IP

What energy storage inverters support Modbus TCP/IP function?

Product series and ARM versions integrated with Modbus TCP/IP functions:

Product Series	Model Name	MODBUS TCP/IP		
		Compatibility	Firmware	SolarGo Version
ET	GW5K-ET/GW6.5K-ET/ GW10K-ET/GW5KN-ET/GW6.5KN-ET/GW8KN-ET/GW10KN-ET	√	ARM 25 or higher	5.1.0 or higher
BT	GW5K-BT/GW6K-BT/GW8K-BT/GW10K-BT	√	ARM 25 or higher	5.1.0 or higher
EH	GW3600-EH/GW5000-EH/GW6000-EH/GW3600N-EH/GW5000N-EH/GW6000N-EH	√	ARM 25 or higher	5.1.0 or higher
EHB	GW5000-EHB/GW6500-EHB/GW8600-EHB/GW0010-EHB	√	ARM 25 or higher	5.1.0 or higher
BH	GW3k-BH/GW3600-BH/GW5000-BH/GW6000-BH	√	ARM 25 or higher	5.1.0 or higher

Note: If a firmware upgrade of the inverter is required, use the SolarGo App and a Bluetooth module for a local update or contact GoodWe's local support teams.

What communication module needs to be connected to support Modbus TCP/IP function?

Modbus TCP/IP is supported by connecting WIFI+LAN module to the inverter. Usually, the WIFI+LAN module used for MODBUS TCP/IP is not included with the inverters and needs to be purchased separately from GoodWe's distribution channels. It replaces the existing WIFI modules of the inverters.

Note: there are different WIFI+LAN modules, and the one with USB terminal is compatible with the inverters listed here. Please refer to the table below.

Model Name of inverter	Compatible module
GW5K-ET/GW6.5K-ET/GW8K-ET/GW10K-ET/GW5KN-ET/GW6.5KN-ET/GW8KN-ET/GW10KN-ET	Wi-Fi/LAN Kit (USB terminal module)
GW5K-BT/GW6K-BT/GW8K-BT/GW10K-BT	Wi-Fi/LAN Kit (USB terminal module)
GW3600-EH/GW5000-EH/GW6000-EH/GW3600N-EH/GW5000N-EH/GW6000N-EH	Wi-Fi/LAN Kit (USB terminal module)
GW3k-BH/GW3600-BH/GW5000-BH/GW6000-BH	Wi-Fi/LAN Kit (USB terminal module)
GW5000-EHB/GW6500-EHB/GW8600-EHB/GW0010-EHB	Wi-Fi/LAN Kit (USB terminal module)

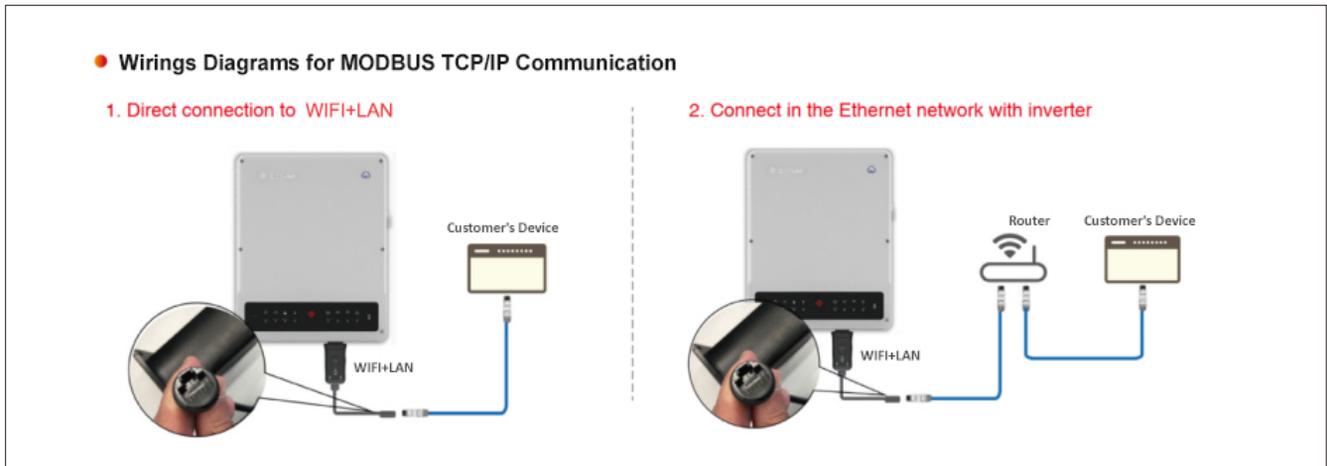## How to configure the Modbus TCP/IP via WIF+LAN module?

Here are the steps:

FIRST: Install the WIFI+LAN module and connect the internet as the following linked guide shows.

GW_WiFi Configuration Instruction-EN.pdf (goodwe.com)

SECOND: Activate the Modbus TCP/IP function in the SolarGo APP.

THIRD: Wire the WIFI+LAN module as the below picture shows.

Wirings Diagrams for MODBUS TCP/IP Communication
1. Direct connection to WIFI+LAN
2. Connect in the Ethernet network with inverter

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