



Shelly 3EM-63W Gen3 1/3- channel WiFi energy meter (wired model)

Model: 3EM-63WGen3

Manufacturer: SHELLY

EAN: 3800235261958

Product Code: 515611

R2,879

Shelly 3EM-63W Gen3 1/3-channel WiFi energy meter (wired model)

The Shelly 3EM-63W Gen3 is a compact 1/3-channel energy meter designed to monitor three-phase installations or three independent single-phase circuits. It is equipped with heavy-duty cables and is very easy to install. This small device is ideal for homes, apartments, businesses and photovoltaic installations - wherever precise control of energy consumption is important.

Versatility of applications - one module, many possibilities

Shelly 3EM-63W Gen3 is a solution for everyone - whether you want to monitor energy consumption in the household, assign consumption to specific departments in the company, or supervise power production from PV panels. The device supports both three-phase installations and three

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independent single-phase lines, allowing it to fit almost any configuration. In addition, thanks to 4-quadrant metering, the meter records both energy consumed and energy given off, which is useful, for example, in photovoltaic and hybrid systems.

Intuitive operation, extensive integration

The module connects to the network via Wi-Fi and Bluetooth - without the need for an external gateway. It can be managed from the Shelly Smart Control app, web interface or via MQTT, HTTP and WebSocket protocols. All incoming connections are protected by TLS encryption. In turn, data can be exported in CSV or JSON format.

Monitoring and analysis without interruption

The Shelly 3EM-63W Gen3 offers measurement of voltage, current, active and apparent power, power factor and energy - with accuracy that meets Class B (IEC 62053-21). A built-in clock maintains the correct time stamps even if internet access is lost. Metering data is recorded locally at 1-minute intervals and stored for at least 7 days, giving you access to your consumption history even if you are temporarily not connected to the cloud.

Automation and security

Shelly 3EM-63W Gen3 allows you to create schedules (up to 20) and configure webhooks (up to 20, with up to 5 URLs each). What's more, local automation allows, for example, to respond to instantaneous energy consumption and trigger specific actions, and a built-in "no load threshold" prevents energy counting at very low consumption (less than 30 VA per channel).

Ready for energy from the sun

The Shelly 3EM-63W Gen3 is also ideal for monitoring photovoltaic systems. It allows simultaneous tracking of energy production and consumption, allowing you to accurately adjust the operation of equipment to the temporary availability of power from the panels. This makes it easier to reduce the intake from the grid and optimize self-consumption - for example, running energy-intensive devices at the peak of sunshine.

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Clear information and full control

The device features LEDs to indicate its current status (including Wi-Fi connectivity and OTA updates) and a single button to quickly enter configuration mode or reset to factory settings. It also has a built-in temperature sensor. In addition, it is very easy to install.

Shelly Smart Control app

The meter works with the Shelly Smart Control app, which allows you to remotely manage the device, view energy consumption and create schedules and automations. With its help you can also monitor data, view measurement history and track energy costs.

Manufacturer	Shelly
Model	3EM-63W Gen3
Dimensions	21 × 54 × 42 mm (without cables)
Cable length	260 mm
Weight	58 g (with wires)
Diameter of conductive hole	8 mm
Mounting	Above or below overcurrent circuit breakers on DIN rail
Housing material:	Plastic
Housing color:	White
Operating temperature	From -20°C to 40°C
Humidity:	30% - 70% RH
Max. installation altitude:	2000 m
Power supply	220-240 V~ 50/60 Hz (between LA and N)
Power consumption	2 W
External protection	63 A, characteristics B or C, short-circuit current 6 kA, energy limitation class 3
Internal temperature sensor	Yes

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Voltmeters (RMS for each phase)	220-240 V~ 50/60 Hz
Accuracy of voltmeters	Better than $\pm 1\%$
Ammeters (RMS via integrated current transformer for each phase)	0-63 A (saturation 130 A)
Accuracy of ammeters	$\pm 1\%$ (2-63 A), $\pm 2\%$ (1-2 A), $\pm 5\%$ (0-1 A)
Power and energy meters	Active and apparent power, active and apparent energy, power factor, basic active and reactive energy
Minimum load threshold	30 VA
Measurement data storage	At least 7 days with data resolution of 1 min
Data export	CSV for recorded PQ values, JSON via RPC
Wi-Fi protocol	802.11 b/g/n
Wi-Fi RF bandwidth	2401-2483 MHz
Max Wi-Fi RF signal strength	20 dBm
Wi-Fi connection range	Up to 30 m indoors / up to 50 m outdoors (depending on local conditions)
Bluetooth protocol	4.2
Bluetooth RF band	2400-2483.5 MHz
Max. Bluetooth RF signal strength	4 dBm
Bluetooth connection range	Up to 10 m indoors / 30 m outdoors (depending on local conditions)
Processor (CPU)	ESP-Shelly-C38F
Flash memory	8 MB
Schedules	Up to 20
Webhooks (URL shares)	Up to 20, up to 5 URLs per webhook
Scripts:	Yes
MQTT	Yes

Category: Switches , GPSR Link: https://psr-assets.innpro.pl/smarthome/sg_smarthome_controls.pdf,
Gross weight: 80, Net weight: 57, Box length: 6,00, Box width: 5,50, Box height: 4,50, Information
about data generation: <https://dataact.innpro.pl/shelly/3800235261958>, GARAN:
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