

# Energy meter for direct current

for direct and indirect current measurement voltage ranges 0 - 1500 VDC

Type: EZG-S0

#### Application

The electronic direct current meter EZG-S0 is used for measuring the active energy for import and export currents in direct current installations. It is applied in photovoltaic installations, battery systems, charging stations, direct current machines etc. Measurements can also be made in installations with pulsed direct current controls (PWM controls). The energy meter may directly measure up to 10 A DC or be connected to a shunt. The energy values are indicated in a display, stored and provided as pulses for further processing. Furthermore, the values for current, voltage and instantaneous active power can be displayed. A programmable relay contact may be used for monitoring the instantaneous active power, current or voltage.

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#### Function

The parameters to be measured are supplied to an integrated module via an external or internal shunt as well as via a voltage divider. There, the instantaneous values of current and voltage are multiplied and converted into active power and active energy. A microcontroller accepts the assessments, the output of the pulses as well as the storage of the measured values. The results are displayed on LCD display. The pulse output of import and export active energy is realized via two open-collector transistor outputs. An auxiliary supply voltage is required. The meter readings are stored in case of power failure.



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#### Dimensions



**Types and variants** 

EZG-S0

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MÜLLER ZIEGLER Ekkfische Messgeröte