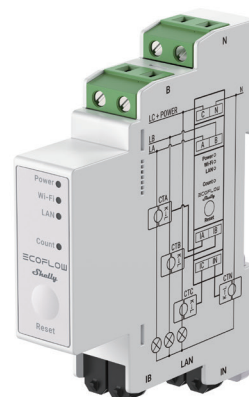


EcoFlow x Shelly Smart Meter Shelly Pro 3EM



Physical

Size (HxWxD):

94x19x69 ±0.5 mm / 3.70x0.75x2.71 ±0.02 in

Mounting:

DIN rail

Shell material:

Plastic

Color:

White

Weight:

62 ±1 g / 2.19 ±0.05 oz

Screw terminals max torque:

0.4 Nm / 4.43 lbin

Conductor cross section:

0.5 to 2.5 mm² / 20 to 14 AWG (solid, stranded, and bootlace lugs)

Conductor stripped length:

6 to 7 mm / 0.24 to 0.28 in

Environmental

Ambient temperature:

-20 °C to 40 °C / -5 °F to 105 °F

Max. altitude:

2000 m / 6562 ft

Humidity:

30 % to 70 % RH

Radio

RF band:

2400 - 2495 MHz

Wi-Fi protocol:

802.11 b/g/n

Wi-Fi Range:

Up to 30 m / 100 ft indoors and 50 m / 160 ft outdoors
(Depends on local conditions)

Max. RF power:

<20 dBm

Bluetooth Protocol:

4.2

Bluetooth Range:

Up to 10 m / 33 ft indoors and 30 m / 100 ft outdoors
(Depends on local conditions)

Electrical

Power supply voltage AC:

100 - 260 V, 50/60 Hz

Power consumption:

< 3 W

Power supply voltage DC:

N/A

External protection:

Tripping characteristic B or C,
16A max. rated current,
min. 6 kA interrupting rating,
energy limiting class 3

Sensors, meters

Internal-temperature sensor:

Yes

Voltmeters (RMS for each phase):

100 - 260 V

Compatible CT

CT 120A

Power and energy meters:

- Active and apparent power
- Active and apparent energy
- Power factor
- Fundamental active and fundamental reactive energy

Data export:

- CSV for PQ recorded values
- JSON format export through RPC

Voltmeters accuracy:

±1 %

mmeters (RMS via CT for each phase and the Neutral):

0 - 120 A

Ammeters accuracy:

±1 % (2 - 120 A), ±2 % (1 - 2 A), ±5 % (0 - 1 A)

Channel-to-channel calibration minimum load

500 W per channel

No load threshold:

30 VA per channel

Measurement data storage:

At least 60 days of 1 min data resolution

MCU

CPU:

ESP32-D0WDQ6

Flash:

16 MB

Firmware capabilities

Webhooks (URL actions):

20 with 5 URLs per hook

CoAP:

No

Scripting:

Yes

MQTT:

Yes