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Shelly Plug PM Gen3



Device identification

- Device name: **Shelly Plug PM Gen3**
- Device model: **S3PL-30116EU**
- Device SSID: **ShellyPlugPMGen3-XXXXXXXXXXXX**
- BLE ID: **0x1854**

Short description

Shelly Plug PM Gen3 is a smart plug/outlet with power measurement capabilities, which allows remote monitoring of electrical appliances. It enables users to track and analyze energy consumption patterns helping to optimize power usage and prevent energy waste.

Due to its built-in web interface, the Device can be accessed, set up, and monitored remotely from anywhere with internet connectivity, as long as it's connected to a Wi-Fi router and the Internet.

Main features

- Wi-Fi smart plug with multicolor LED indication
- Scripting
- Wi-Fi range extender
- BLE gateway
- Power metering
- Wide compatibility with 3rd party home automation systems
- Shelly Cloud/Shelly Smart Control app support (optional)
- Virtual Components

Use cases

- **Color night light:** Use the Device's LED indication to adjust your color light night. Night mode reduces the brightness of the LED indication of your Shelly Plug PM Gen3 during the night hours so that you can have undisturbed night sleep.

- **Energy monitoring:** Track the real-time energy consumption of appliances like refrigerators or heaters, identify high-energy devices, and reduce power usage.
- **Usage analysis:** By monitoring energy consumption patterns over time, you can make informed decisions about when to use appliances more efficiently or upgrade to more energy-efficient models.
- **Overload notification:** The plug provides alerts if connected devices are drawing too much power, helping to prevent potential damage or overheating.
- **Cost estimation:** The smart plug can help you estimate the operational costs of specific appliances, enabling better budget management by understanding how much each device contributes to the electricity bill.

Integrations

Amazon Alexa supported capabilities

Yes

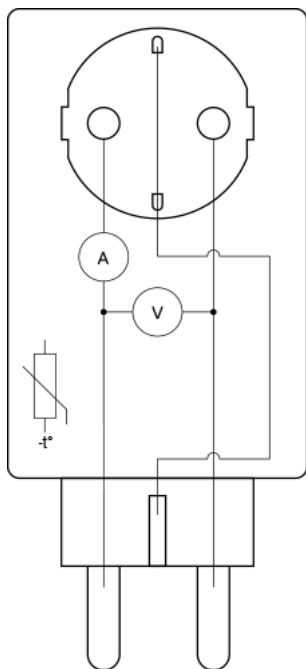
Google Smart Home supported traits

Yes

Samsung SmartThings supported capabilities

Yes

Simplified internal schematics



Device electrical interfaces

Input

- 1 CEE 7/7 plug

Output

- 1 CEE 7/3 (Type-F / Schuko) socket

Connectivity

- Wi-Fi
- Bluetooth

Safety function

- Internal temperature sensing and reporting

Supported load types

- Resistive (incandescent bulbs, heating devices)
- Capacitive (capacitor banks, electronic equipment, motor start capacitors)
- Inductive (LED light drivers, transformers, fans, refrigerators, air-conditioners)

User interface

Inputs

- One push button
 - Press and hold for 3 sec to check status.
 - Press and hold for 5 sec to reboot (Possible up to 60 sec after plugging in in the Device).
 - Press and hold for 10 sec to factory reset (Possible up to 60 sec after plugging in in the Device).

Outputs

- LED indication
 - When plugged for the first time:
 - Blue light flashing, indicating AP mode.
 - When plugged/powered again after being successfully connected to a Wi-Fi network:
 - Red light flashing slowly, indicating the the Device is reconnecting to the Wi-Fi network.
 - Constant red light, indicating that the Device cannot reconnect to the Wi-Fi network.
 - Customer selected:
 - Power consumption represented by a smooth color change (Default):
 - Green light at 0% of power limit set
 - Yellow light at 50% of power limit set
 - Red light at 100% of power limit set
 - User can select the brightness (Default brightness - 100%).
 - Custom color (Default color - Green, Default brightness - 100%)
 - Off
 - When OTA update is in progress:
 - Red light flashing

Schaltplan

Quantity	Value
Physical	
Size (HxWxD):	44x44x70 ±0.5 mm / 1.73x1.73x2.75 ±0.02 in
Weight:	48 ±1 g / 1.69 ±0.04 oz

Compatible sockets:	CEE 7/1, CEE 7/3 (Type F / Schuko) or CEE 7/5 (Type E)
Compatible plugs:	CEE 7/2, CEE 7/4 (Type F / Schuko), CEE 7/7, CEE 7/16 (Type C) or CEE 7/17
Shell material:	Plastic
Color:	• White • Black
Environmental	
Ambient temperature:	-20 °C to 40 °C / -5 °F to 105 °F
Humidity	30 % to 70 % RH
Max. altitude	2000 m / 6562 ft
Glow-wire temperature:	750°C
Pollution degree:	2
Required forced cooling:	No
Electrical	
Power supply:	230 V~ 50/60 Hz
Power consumption:	< 1 W
Rated impulse-withstand voltage:	2500 V
Max. current:	16 A
Output circuits ratings	
Max. output power:	3680 W (resistive load only)
Overvoltage category:	II
Sensors, meters	

Internal-temperature sensor:	Yes
Voltmeter (AC):	Yes
Ammeter (AC):	Yes
Power and energy meters:	Yes
Radio	
Wi-Fi	
Protocol:	802.11 b/g/n
RF band:	2412-2484 MHz
Max. RF power:	< 10 dBm
Wi-Fi Range:	Up to 50 m / 164 ft outdoors, up to 30 m / 98 ft indoors (depending on local conditions)
Bluetooth	
Protocol:	4.2
RF band:	2402 - 2480 MHz
Max. RF power:	< 4 dBm
Range:	Up to 30 m / 98 ft outdoors, up to 10 m / 33 ft indoors (depending on local conditions)
Microcontroller unit	
CPU:	ESP-Shelly-C38F
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Flash:	8 MB
Firmware capabilities	
Webhooks (URL actions):	20 with 5 URLs per hook
Scripting:	Yes

MQTT:	Yes
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Compliance and certification

[Shelly Plug PM Gen3 multilingual EU declaration of conformity 2025-11-19.pdf](#)

Components and APIs

- [This device](#)
- [All Shelly devices and services](#)

Printed user guide

[Shelly Plug PM Gen3 multilingual printed user and safety guide.pdf](#)

Newsletter abonnieren

Deine Mail-Adresse

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