

Emergency power supply box

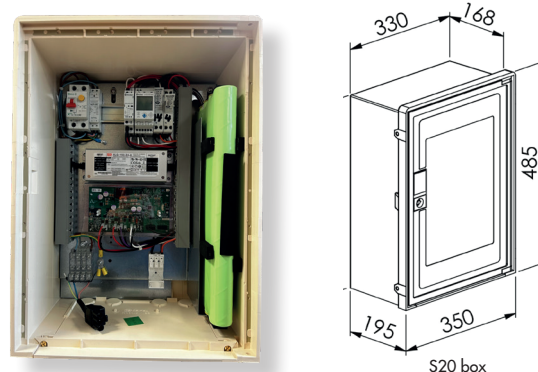
The power supply of a set of S-Pass bollards is maintained despite the EP network cut-off. The box is inserted between the network and the S-Pass bollards.

It consists of a power supply and a battery. The power supply charges the battery when the network is present. The battery keeps the S-Pass bollards lit when the network is cut-off.

The box includes a relay and an astronomical clock. The relay controls the synchronized switching on and off of the bollards by the EP network. The astronomical clock allows you to configure the switching on and off times. It is programmable via the NFC of a smartphone, like an abel MID module.

The battery life is of 7 hours for a set of 4 S-Pass bollards after 1 hour of power supply to the network. A full battery can power 1 set of 4 S-Pass bollards for 20 hours or 2 sets of 4 terminals for 10 hours.

Other devices than S-Pass bollards can be powered and turned on/off at any time (no turn off during network presence). Possibility of having a PWM output to control the power of a light source.



TECHNICAL CHARACTERISTICS

Battery: 13Ah - 24V - 312Wh

Power supply: 150W

Charging capacity: 100Wh per hour of charging up to a limit of 300Wh

Charging time: minimum 1 hour per day (Note: in summer, the EP network power supply activates later).

For S-Pass+ installations, additional charging time is required for detections: in the standard single-sided configuration, 20 minutes of additional charging provides 4 hours of continuous detection, or approximately 360 detections.

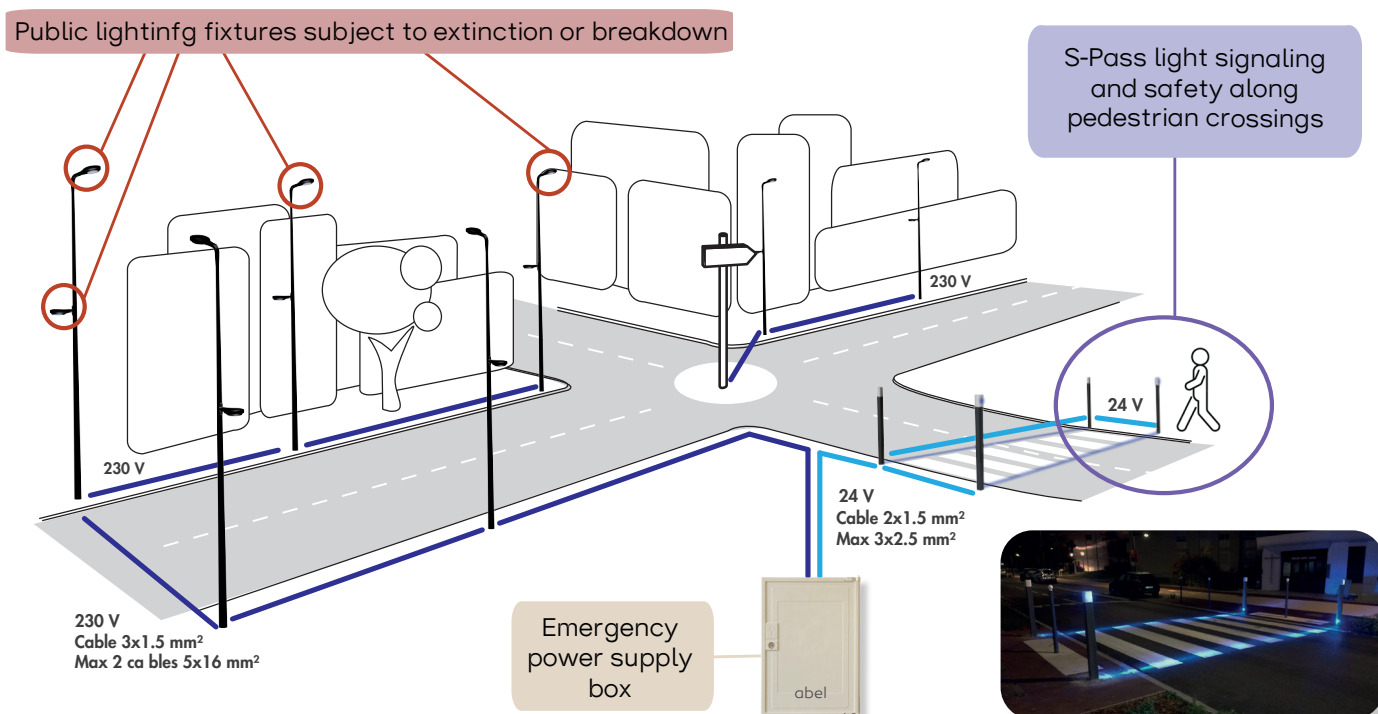
Recommended nominal output power: 30W (if >30W decrease in charging capacity). Max 100W.

Reprogramming and time setting possible via Smartphone.

AUTONOMOUS OPERATION OF PEDESTRIAN SAFETY

The scheduled extinction of public lighting at night or power cuts do not hinder the S-Pass light signaling for pedestrian safety.

The ground markings of pedestrian crossings remain visible and functional.



The emergency power supply box can be wired to an existing S-Pass installation. It replaces the existing power supply to the bollards.