# Datasheet

Version 1.8 – JUNE 2018

| Mechanical Data | |
|---|---|
| Basement | Steel, thickness 6 mm<br>Galvanized and thermo-lacquered paint<br>Equipped with reinforcements |
| Cover | Steel, thickness 3 mm<br>Galvanized and thermo-lacquered paint<br>Ribbed making it slip resistant and giving it rigidity and look |
| Reinforcement (Option) | Cover reinforcement for heavy vehicles and trucks up to 19 tons<br>5mm steel plate integrated under the cover offering 8mm total thickness |
| Barrier | Steel tube diameter 42mm / thickness 2.9mm<br>Reinforced by a turned piece mounted on axis.<br>Possibility in steel tube of 62mm / thickness 2.9mm (option)<br>Galvanized and painted in thermo-lacquered |
| Mechanic | Stainless and galvanized steel |
| Motor | Aluminium.<br>12 Vcc motor, 1000n/13ms, reversing at the end of the movement.<br>Force compression spring 200N inox thickness: 2,5mm for assistance. |
| Shock protection | In the up position: 2 gas springs (150kg) protecting the barrier in case of a frontal impact in the direction of the traffic<br>For shocks in the other direction, the barrier falls to the ground<br>It is protected by 2 self-breaking pins (mechanical fuses) |
| Solar Panel | Protected by a 20mm thick polycarbonate plate |
| Safety | When moving up, if the barrier meets an obstacle, it goes down to its default position.<br>When moving down: it stops immediately. On a new action from the remote control, it resumes its cycle. |
| Dimensions | 950 x 426 x 99 mm (barrier height 700mm) |
| Weight | 50 Kg |
| Installation | Fixed by 4 mechanical or chemical screws depending to the nature of the soil |
| **Electronic Data** | |
| Solar Panel | Power 5W - Polycrystalline silicon photovoltaic cell |
| Case | Protection class IP 65 |
| Display & Keyboard | Waterproof programming user interface at the back of the solar panel |
| Battery | 12 Vcc Sealed Lead Acid Batteries<br>3.2 Amp/H or 7.5 Amp/H depending on use |
| Vehicle Detection (Option) | Ultrasonic vehicle presence sensor for automatic closure<br>Detection can be enabled or disabled remotely |
| **Communication** | |
| Remote Control | Frequency: 433.92 MHz using KEELOQ© rolling codes<br>5m to 30m range depending on environment and obstacles.<br>Up to 30 remote controls or groups can be stored in the memory<br>12 Volt LR23A battery |
| GSM (Option) | 2G/3G interface with standard size SIM card<br>Full control by phone calls using DTMF or SMS Text messages with acknowledgment<br>Some parameters can also be changed remotely by SMS |
| ISM Gateway (Option) | Centralised Gateway managing up to 32 Ottoparks<br>Using 868 MHz ISM free RF Band with range up to 150m<br>2G/3G interface with standard size SIM card |
| Logbook | Daily logbook with operations, battery status, events, alarms, .... |
| **Compliance** | |
| Technical and environmental risks | APAVE certified |
| European standards | Compliant with EN 346 and EN 953 |

| Performance | |
|---|---|
| Autonomy | 80 operations |
| Ideal Conditions | 20 to 25 operations per day (compensated by the solar panel)<br>If the battery reaches an alert threshold during movement, the barrier stops and goes back down waiting for battery recharge.<br>An alert message is sent when subscribing to a maintenance contract. |

## Dimensions