Available = state in which a car is when is in a safe parking and it can be booked by a user through the app. When the car is available is also locked and fully charged.

Unavailable = state in which a car cannot be reserved by users because it is actually busy. It could be busy for many reasons: a user is using it, a user has just reserved it, is out of service, is in recovery mode or is plugged.

Locked = state in which a car has no one on board and the system puts it in this state. In general a car is locked when someone leaves the car and closes the door. The user can unlock the car if has reserved it (and one hour is not passed yet) or if was in pit stop mode (and the timer is not expired).

Unlocked = state in which the car is unlocked when a user is on board or he has just unlocked it (if anyone unlocks the car within 5 minutes, the systems sets it in lock mode), or an operator is recovering the car (with the help of the third party system).

Safe parked= a car is in this state when is in a safe parking (both types). A car could be here also because is out of service.

Unsafe Parked = when a user is not in the car, the engine is stopped and the parking is not safe. The car could be in this state when the user did not want to bring it to a safe parking so he left the car somewhere outside of it.

Pit stop = the user has the possibility to keep the car for several days. he can park wherever he wants by selecting on the car screen the option “pit stop”. In this way the car will be reserved for him for other 24 h (at the end of this timer, the car is set in Recovery mode). If a user did not select anything from the two option on the screen (stop and pit stop) system sets the car in Stop mode by default and if it is in an unsafe parking, set it in Recovery mode.

Pit stop mode is available only out of safe parking. When a car is in pit stop mode, the basic tariff is still of force.

Pit stop timer mode= is equal at the pit stop mode, but in this case the user could when is out of the car and when the car is in pit stop mode, extend the timer of the pit stop over the 24 h. He can do this through the app.

moving= This mode lasts from when the user start the engine until he stops the engine.

out of service= when the car doesn’t work for any reason (a damage, a maintenance or something else) the system puts the car in this state and a third party system will take care of it.

recovery mode: state in which a car goes automatically when a user parks the car in an unsafe parking without selecting the pit stop mode or when the pit stop timer has expired. The System sets the car in this mode and the third party system will take care of it.

plugged: when a car is a special parking and is in charge.

charging: when the system is applying the basic tariff to the user.

|  | AVAILABLE | UNAVAILABLE | LOCKED | UNLOCKED | SAFE PARKED | PARKED | PIT STOP | TIMER PIT STOP | MOVING | OUT OF SERVICE | RECOVERY | PLUGGED | CHARGING |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| AVAILABLE |  |  |  |  |  |  |  |  |  |  |  |  |  |
| UNAVAILABLE |  |  |  |  |  |  |  |  |  |  |  |  |  |
| LOCKED |  |  |  |  |  |  |  |  |  |  |  |  |  |
| UNLOCKED |  |  |  |  |  |  |  |  |  |  |  |  |  |
| SAFE PARKED |  |  |  |  |  |  |  |  |  |  |  |  |  |
| PARKED |  |  |  |  |  |  |  |  |  |  |  |  |  |
| PIT STOP |  |  |  |  |  |  |  |  |  |  |  |  |  |
| TIMER PIT STOP |  |  |  |  |  |  |  |  |  |  |  |  |  |
| MOVING |  |  |  |  |  |  |  |  |  |  |  |  |  |
| OUT OF SERVICE |  |  |  |  |  |  |  |  |  |  |  |  |  |
| RECOVERY |  |  |  |  |  |  |  |  |  |  |  |  |  |
| PLUGGED |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CHARGING |  |  |  |  |  |  |  |  |  |  |  |  |  |