



**Periodic Book No. (5) for the year 2022**

**About**

**Rules for the regulation of work**

**in the field of electric cars/vehicles charging stations**

<b>Board meeting number</b>	The Fourth
<b>Fiscal year</b>	2021/2022
<b>Date</b>	24/2/2022
<b>Descision Number</b>	(1/3)
<b>The rules are in accordance with the decision of the Board of Directors of the Agency</b>	The Board approved the issuance of the attached periodic book for the rules of regulating work in the field of electric car/vehicle charging stations, assigning the Egyptian Electric Regulatory Agency (EgyptERA) to publish on it's website and circulate it to the licensed distribution companies.



**Regulations for organizing work  
in the field of electric car/vehicle charging stations**

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**First - Definitions:**

The terms and phrases defined in Electricity Law No. 87 of 2015 and its executive regulations shall have the same meanings in these regulations.

The following terms and expressions shall have the meanings indicated in front of each of them when used in these regulations:

**Investor:** Any natural or legal person wishing to invest in the field of charging electric cars/vehicles

**Company:** The Egyptian shareholding company established by the investor to practice the activity of charging electric cars/vehicles.

**Activity of Electric Car/vehicle charging:** The activity of selling electric energy for electric cars/vehicles needed to charge their batteries using fast or slow chargers through electric car/vehicle charging stations.

**Electric Cars/Vehicles:** Any car/vehicle that is fully or partially powered by electric power to drive the car/vehicle, and the electric motor derives electricity from a rechargeable storage battery or from other portable energy storage devices (rechargeable such as portable batteries, or energy from an out source the vehicle).

**Charging Stations:** The place designated for commercial charging of electric cars/vehicles and contains at least one charging point, and includes all charging equipments required for electric cars/vehicles.

**Car/Vehicle Electric Charging Equipment:** Any equipment or appliance used to charge electric cars/vehicles, which includes, for example, conductors, electric



car/vehicle charging points, and all other accessories, appliances, electrical sockets and appliances specially installed for the purpose of transmitting power from the electrical networks of the facilities for charging electric cars/vehicles on their different levels.

### **Charger levels for cars/electric vehicles:**

Level 1: Chargers that use alternating current (AC) with a capacity not exceeding 7.2 kilowatts per charging point.

Level 2 : Chargers that use alternating current (AC) with a capacity greater than 7.2 kilowatts and not exceeding 22 kilowatts per charging point.

Level 3 : Chargers that use direct current (DC) with capacities greater than 22 kW per point of charge.

### **Second: Regulating Legislation:**

- a. Electricity Law no.87 of 2015.
- b. Executive Regulations of Electricity Law no.87 of 2015 issued by Decree of the Minister of Electricity and Renewable Energy no.230 of 2016.
- c. EgyptERA Board of Directors decision in its first session for the fiscal year 2020/2021 on 21/7/2020.
- d. Cabinet decision issued in Session no.152 dated 14/7/2021 approving the regulated tariff for the selling activity of electric energy from the distribution companies to the charging stations and from charging stations to the electric cars/vehicles.



### Third: General Provisions:

#### **Home charging:**

Level 1 electric car/vehicle charging points used primarily in homes are exempted from obtaining any permits or licenses from the Electric Regulatory Agency (EgyptERA).

#### **Commercial charging :**

- The provisions of Electricity Law No. 87 of 2015, its executive regulations, these regulatory rules and any rules issued by EgyptERA regulating the electricity market in Egypt apply on any of the activity of charging electric cars/vehicles.
- The company is subject to the regulatory rules, technical codes, electrical supply guide, standard contracts approved by EgyptERA, and any amendments that may occur on it.
- These rules apply on charging stations connected to the distribution networks through distribution companies licensed by EgyptERA.
- These rules do not apply on stations not connected to the electrical network.
- In case of, that charging stations are supplied from sources other than the unified electricity network, EgyptERA shall set the relevant regulations according to the request submitted at the time.
- Companies that have an electric power distribution license are prohibited from operating in the electric cars/vehicles charging activity.
- EgyptERA grants a license to the company for a period of five years to establish (250) stations at least for the duration of the license at the rate of (50 stations/year or 150 charging points/year), with a limit provided that 10% of the charging points are for Level 3 stations/charging points, EgyptERA shall be notified with



all the data required for the charging stations to issue the annual license validity certificate.

- EgyptERA renews the license every five years in accordance with the rules established by the Electricity Law no.87 of 2015 and its implementing regulations.
- A permit is issued for the company to start establishing charging stations for electric cars/vehicles, and this is done according to the application form prepared by EgyptERA and for a period of one year only.

#### **Fouth : EgyptERA specialties’:**

- Regulate interconnections between all market entities represented in electric car/vehicle charging stations investores, Electric distribution companies and end-user to guarantee the equality, competitiveness between all market players and protect consumers.
- Issue permits and licences for companies in order to establish electric car/vehicle charging stations and sell electricity to the end users on low voltage (LV) according to electricity law, its executive regulations and issued regulations from EgyptERA.
- Include technical regulations and guidelines for electric car/vehicle charging stations connection to the distribution grid after EgyptERA’s board of directors approval.
- Issue contract templates for electric car/vehicle charging station’s electricity supply.
- Issue permits and licences for companies that would establish electric car/vehicle charging stations of either type (2) or (3) or both given that the charging station capacity is limited to 500 K.V.A.
- Issue electric car/vehicle charging regulations and modify them when it is needed.



- Approve the electric car/vehicle regulations for establishing, safety guidelines and the technical guidelines that has been issued by the electric distribution companies for electric car/vehicle companies must follow.
- Approve the technical codes for the electric car/vehicle charging stations connected to the distribution network in Egypt.
- EgyptERA has the right to cancel the permit/ licence if it breaks any article of the electricity law and its executive regulations or any regulations issued by EgyptERA regarding electric car/vehicle.
- **Electric car/vehicle charging activity Permit and licence fee:**
  - Exemption from the fees of studying the request and issuing the permit/license is granted for the first 10 years (starting from the date of publishing this periodic book) for the companies applying for either a permit or licence for electric car/vehicle charging activity.
  - If a company conceded its issued permit or licence, it must abide to the concedent form issued by EgyptERA and articles 23,25,29 of the executive regulations of the electricity law no.87 for year 2015.

#### **Fifth: Obligations of the electricity utility parties:**

This section deals with the obligations of each of the parties related to the activity of charging electric cars/vehicles, within the scope of the competencies of the electricity sector, and the following are the obligations of each party.

##### **a. Electric distribution companies:**

1. Licenced distribution companies have to sell electricity to electric car/vehicle charging companies with the approved prices according, to the Electricity and Renewable Energy Minister's decision and by install a separate meter to measure the sold electricity for electric car/vehicle charging stations. If a submeter has been installed from a main MV medium voltage meter, the distribution company has to issue a monthly bill for the submeter and the main meter separately after



- enforcing any required settlement for energy and capacity (capacity settlement is based on the ratio between submeter and main meter energy consumptions)
2. Manage the service of everything related to dealing with companies working in the field of electric car/vehicle charging stations has to be added to the unified electronic platform for providing electricity services. The company is obliged to publish the contact information for that service on the company's website or any other means and to update it whenever necessary.
  3. Prepare the technical requirement for the electric car/vehicle charging stations to connect to the electricity grid network.
  4. Study the application and issue the company's initial approval within 30 days to connect and supply electric power to the electric car/vehicle charging stations that he wishes to establish within the geographical area of the distribution company.
  5. Study the technical file submitted by the company for its review, issuing the final approval, the connection bill, and concluding the contract in accordance with the standard contracts issued by EgyptERA after the company has paid the value of the connection bill, provided that any other loads that may cause a change in an existing contract with a facility from low voltage to medium voltage shall be separated as a result of the charging station being located within the boundaries of that facility.
  6. Ensure that the requirements for connecting charging stations to the electrical network have been complied with the requirements approved by EgyptERA, and the distribution company for this purpose installs measuring devices at charging stations for testing, at the company's expense.
  7. Launch the electric connection after carrying out the necessary tests.
  8. Carry out an annual impact study on the network to assess the impact of connecting charging stations to the distribution networks, based on the expansion and the construction plans submitted by charging companies and submitting them to EgyptERA for approval.



9. Assess the infrastructure needs of electricity networks to safely and effectively feed charging stations, and take the appropriate investment procedures, whether by expanding existing networks or establishing new ones.
10. Install prepaid/ smart electric meter for the electric car/vehicle charging stations.
11. Each consumer is entitled to request the installation of a prepaid / smart meters separately for the home charging points at his own expense.

**b. The investor:**

1. Establish an Egyptian joint stock company whose activity is to sell electric power from electric car/vehicle charging stations, and its issued capital is no less than 10 million Egyptian pounds, provided that the capital repayment is completed within a period of time not exceeding 3 years.
2. Build, own, operate and maintain the electricity charging stations. The investor can provide these tasks on his own or through another sub-contracted entity, the sub-contracted entity should hold a qualification certificate for conducting the pre-mentioned services. EgyptERA in coordination with the Syndicate of Engineers and any other stakeholder shall decide on the qualification conditions, However, the legal responsibility lies on the licensed company for the consumers or the employees of these companies.
3. Submit to EgyptERA a plan for the establishment and expansion of charging stations for a period of five years for study. In case of, EgyptERA agrees on the plan, the company shall present to the distribution company a study that includes the expansion and construction plan for charging stations located within the geographical area of the distribution company for a period of five years, with determination of the geographical locations of approximately each charging station in order to study the possibility of connecting them by the distribution company.
4. Apply to EgyptERA for a permit according to the form prepared by EgyptERA.





5. Submit the technical file for each charging station separately to the concerned distribution company to study it and issue the connection bill.
6. Pay the value of the connection bill to the distribution company and conclude the contract in accordance with the standard contracts and the rules approved by EgyptERA within 30 days from the date of obtaining the permit.
7. Apply to EgyptERA to obtain a license to sell electricity from the charging stations owned by its upon completion of the construction of the first of the charging stations provided.
8. Apply to the concerned distribution company for connecting the first station(s) to the grid, once the license is issued by the Regulator.
9. Abide to EgyptERA's request for any additional data/information related to the company and its consumers. EgyptERA shall not use any of these data/information in matters not concerning its own competencies
10. Provide a 24/7 customer service concerning all services provided by the company.
11. Provide electric charging services to all consumers without any discrimination, and for this to be included in the technical specifications and standards for the charging station.
12. Keep the confidentiality of the consumers' data / information, and these data / information shall never be used unless with authorization from the concerned entities or by court.
13. Apply the common and approved standards to all the charging stations' slots according to the European standards IEC for all types of electric car/vehicle to be able to use them for charging.
14. Put the plan for safety disposing of the charging stations components when its life span has ended, and to abide with the Eco-Regulations stated in all legislations in force.



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15. Never make any adjustments to any of the components of the charging stations and its electrical connections that could affect the safety of electric feeding to these stations (i.g. increasing the number of charging points of the station) Unless first informing the concerned distribution company and getting a permit.
  16. Never make any maintenance works for the charging station except through the eligible company or any other specialized company for such purposes.
  17. Take all the necessary precautions to protect its own charging stations.



### Permit/license application form

No	License documents	Permit documents
1	Company data (attachment 1)	
2	Investment newspaper	
3	Commercial record	
4	Tax card	
5	Feasibility study	
6	Studying the request fees	
7	Licensing fees	Permit fees
8	The company's organizational structure and competencies	Acknowledgment of undertaking to obtain the necessary permits and licenses
9	An approved document for the contracts conducted with each distribution company for charging stations, if any	Initial approval from the distribution companies on the proposed locations of the charging stations and the number of distribution points therein
10	Environmental approvals upon request from the Environmental Affairs Agency	A document of the expected charging stations and their numbers is attached (2)



### Attachment (1)

Initial registration request to obtain a license to manage and operate electric car/vehicle charging stations.

#### 1- About the company:

The Company's name: -----

Board of Directors Chairman: -----

Legal Representative: -----

Company Address: -----

Phone number: -----

Fax number: -----

E-mail: -----

Registration number in the commercial register: -----



2- Attachment (2) station data

Station code	Number of points	Capacity	Model	The site and its coordinates	Affiliate Distribution Company	Expected date to start the activity

- All forms should be stamped with the company seal