



NAF ENGINEERING
SERVING THE ELECTRICAL NEEDS *limited*

Company Profile

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COMPANY BACKGROUND

NAF Engineering Ltd. was incorporated in November 2020 with the clear aspiration to be recognized as a provider of quality services.

At the outset we faced many challenges in gaining recognition and acceptance of the merits and benefits of predictive maintenance technologies and techniques over more traditionally times-based maintenance practices.

we offer clients better services that in many cases can be executed without costly under warranty period.

As a under maintenance service provider, NAF Engineering Ltd. is dedicated to ensuring that our clients obtain accurate diagnostic analysis of equipment condition by integrating various predictive maintenance technologies and techniques.

Through the use of our services, customers can realize substantial maintenance and repair cost savings and higher system uptime and reliability.



VISION

To be service as a provider of best quality product and condition based maintenance services in the whole Bangladesh.

MISSION

To provide quality product and condition based maintenance services to customers in the power Sector.

COMPANY INFORMATION

Name	NAF Engineering Ltd.
Company Reg. No.	C-166076/2020
Corporate Status	Private Limited Company
Date Of Incorporation	25 November 2020
Registered Address	Gulshan #1, Dhaka.
Tax ID No	644284437487
Business Address	115 (5th floor),Badda Link Road, Gulshan-1, Dhaka.
Cell No.	01970-211288, 01711-274089
Website	www.nafelbd.com
Email	nafengineeringt20@gmail.com
Bankers	(1) DBBL (2) Pubali Bank Ltd

OUR SERVICES

Sub-Station



Solar



Sub-Station:



Oil/ Dry type Sub-Station



GIS Sub-station

A substation is an electrical system with high-voltage capacity and can be used to control the apparatus, generators, electrical circuits, etc. Other types of substations are very huge with different types of transformers, equipment, circuit breakers, and switches.



LT.



PFI.



LBS.



VCB.



RMU

LT Panel

LT Panels are used with low tension cables to obtain power from the generator or transformer and distribute electricity to various electrical devices and distribution boards. LT panels are designed to function at lower voltages (up to 690 Volts) with low insulation levels

PFI

To obtain the best possible economic advantage from electric power both the generating plant and consumers plants should be operated at high efficiency. To achieve this, it is essential to have a high-power factor throughout the system.

LBS:

A load break switch (lbs) is a device that ensures the on-load making, breaking, and safety disconnection of low-voltage electrical circuits.

VCB:

A vacuum circuit breaker (VCB) is the type of circuit breaker which uses vacuum between the electrodes as the arc quenching medium. The vacuum circuit breakers are mainly used in medium voltage applications, where the supply voltage ranges from 11 kV to 33 kV.

RMU:

a ring main unit (RMU) is a factory assembled, metal enclosed set of switchgear used at the load connection points of a ring-type distribution network. It includes in one unit two switches that can connect the load to either or both main conductors, and a fusible switch or circuit breaker and switch that feed a distribution transformer.

PRODUCT SUPPLY



Circuit Breaker



Magnetic Contact



Air Circuit Breaker



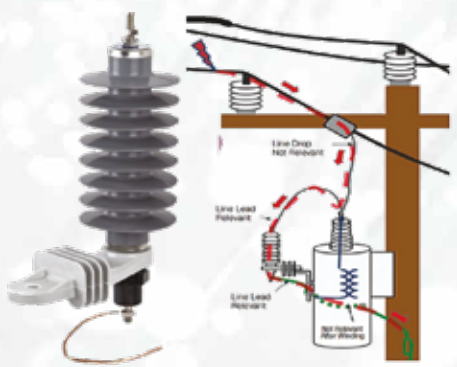
PFC Realy



CT/PT



Capacitor Bank



Lightning Arrester

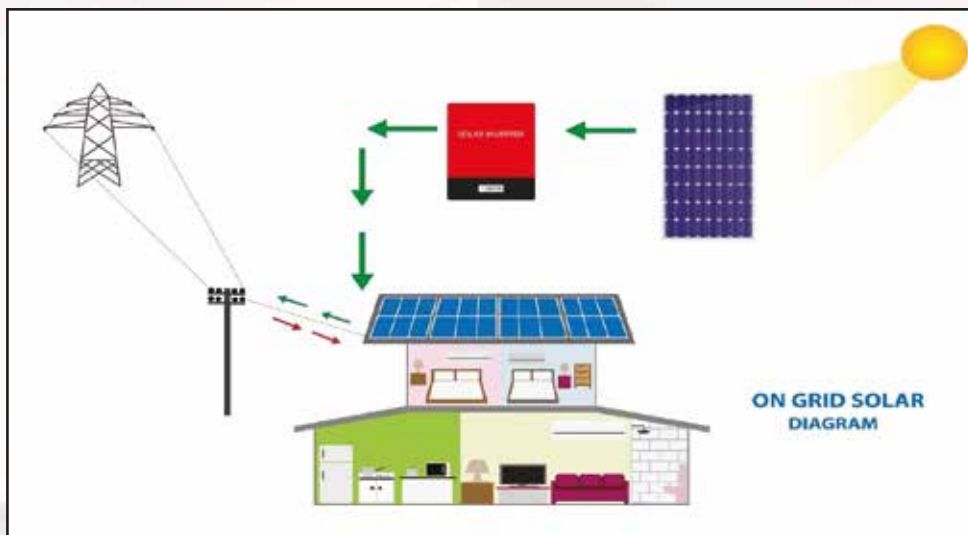


Isolator

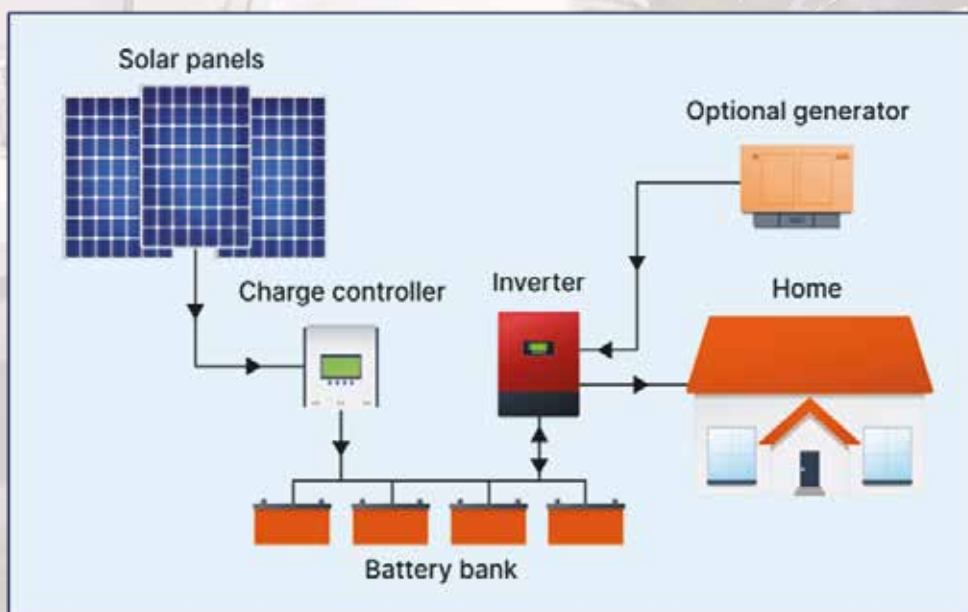


Drop Out Fuse

Solar:

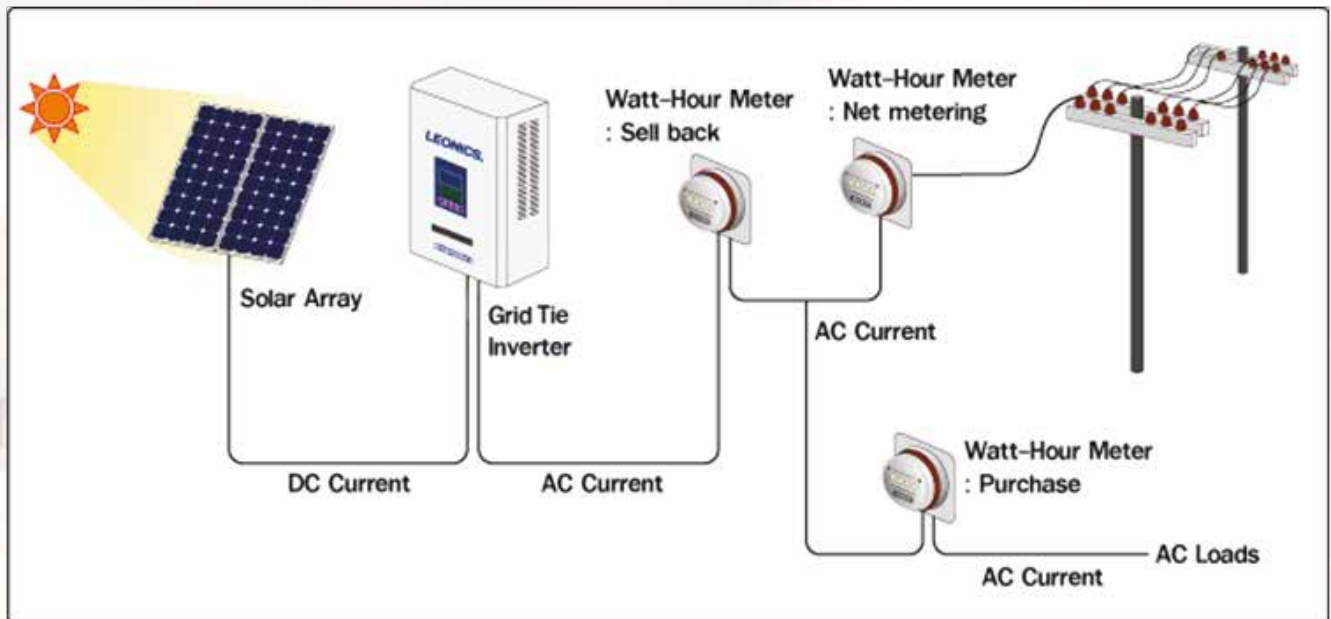


On Grid Solar System:

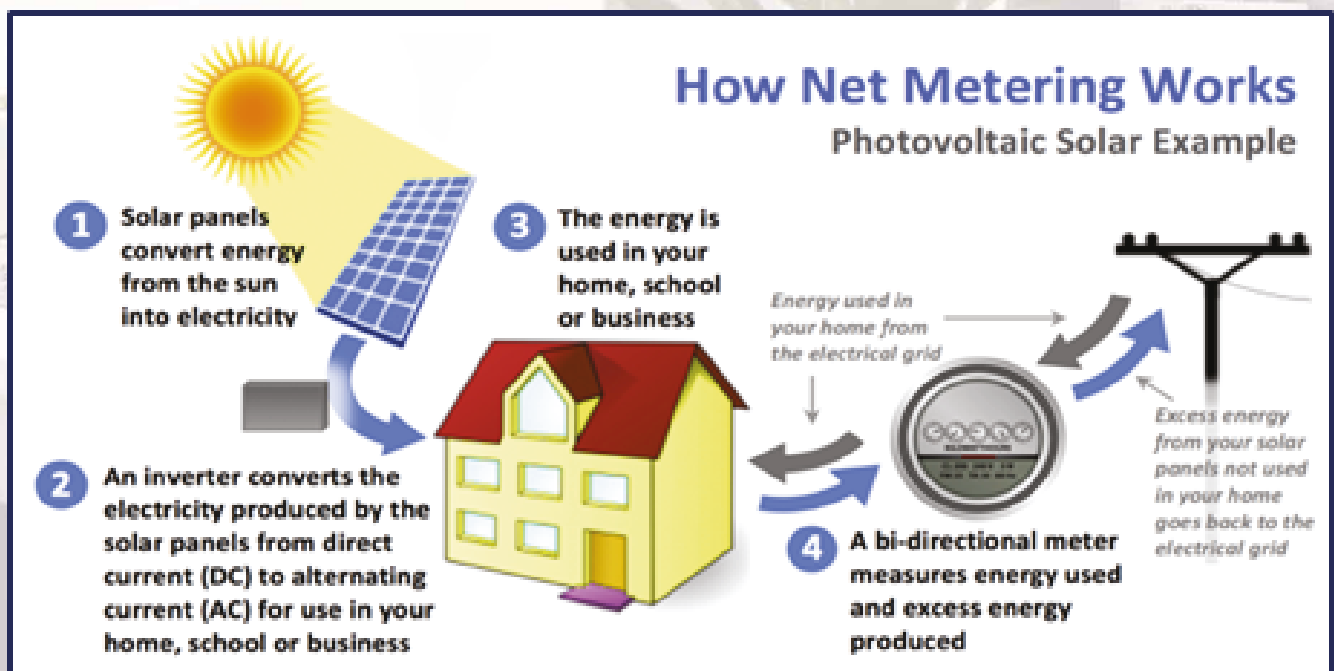


Off Grid Solar System

Net energy metering (NEM): Net energy metering system such a system where homeowners can save their utility bills every year by using on grid solar system. so, it's a good reason to make the money-saving choice and go solar sooner rather than later.



Net energy metering (NEM) refers to a policy mechanism that allows prosumers to connect their renewable energy systems to the distribution grid. The mechanism allows for the export of energy (e.g. electricity) generated from distributed renewable energy sources in exchange of credits in the form of energy or money. This method of sharing energy is often termed as 'energy banking'



The Benefits of Net Metering:

1. Ensuring optimal utilization of electricity generated from net metering solar system.
2. Opportunity to export surplus power to utility for own use and opportunity to receive exported power during peak, off-peak hours if required.
3. Monthly electricity bill saving by generating electricity from solar system at lower cost than grid electricity.
4. Provide low interest loans up to 80% by IDCOL and other financial institutions.
5. For example, a 100 KW authorized customer can install a 70 PKW maximum capacity solar system.

Metering Arrangement

The metering arrangement shall be done according to the following conditions.

- i. A single three phase bidirectional smart meter (capable of recording import, export and net energy consumption) shall be installed at the point of interconnection by the Utility. If by reprogramming, the existing meter can fulfill the requirements, then reprogramming is sufficient and no new meter needs to be installed.
- ii. The net meter shall conform to approved by relevant authority.
- iii. In case of eligible consumers, who fall under the different tariff metering scheme, smart meter capable of recording electricity consumption and generation during peak and off-peak hours separately shall be installed.
- iv. The Utility shall be responsible for procuring, testing, installing (and replacing the existing meters), maintaining and reading the net meters. The prosumer can also procure and install the meter but in that case the brand and model should be approved by the Utility or relevant authority.
- v. The price of the meters and other relevant costs shall be borne by the consumer.
- vi. The reading from the net meters shall be the primary basis of energy accounting and commercial settlement.
- vii. In case of the consumer is a prepaid meter consumer, then the prepaid meter should be capable of calculating export, import and net usage of electricity.

Our Services and Offer:

1. Installation of net metering as per government rolls with correct and quality product.
2. Ensuring maximum output power of installed net meter solar panels.
3. Bank loan support required for net metering solar installation.
4. Provided one-year free maintenance.
5. The agreement of both parties is confirmed for further maintenance.

Industrial consumers:



Commercial consumers:



Hill tract consumers:



Irrigation consumers:



PRODUCT SUPPLY



Solar Inverter



Solar Panel



PROJECT REFERENCES





Certificate of Incorporation (under Act XVIII of 1994)

No. C-166076/2020

*I hereby certify that **NAF Engineering Ltd.** is this day incorporated under the Companies Act (Act XVIII) of 1994 and that the Company is Limited.*

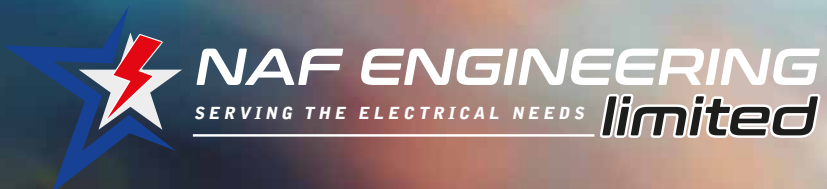
*Given under my hand at **Dhaka** this **Twenty-Fifth** day of **November** two thousand and twenty.*

*By order of
Registrar*

*Assistant Registrar
Registrar of Joint Stock Companies & Firms
Bangladesh*



N.B. This certificate is digitally signed. Please find the soft copy to verify the signature.



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