



Palaniselvam C

Electrical Engineer

CONTACT

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2/402, Kongampatti,
Kongampatti post, Madurai
district ,Tamilnadu, India,
625102.

EDUCATION

BE/ELECTRICAL AND ELECTRONICS ENGINEERING

Sethu Institute of technology,
Kariapatti. 2019–2023

- 8.33 CGPA

HSC/BIO MATHS

Government hr sec school,
E.Malampatti 2018–2019

- 56.17%

SSLC

Government hr sec school,
E.Malampatti 2016–2017

- 76.4%

EXPERTISE SKILLS

- Solar Power plant
- Electrical troubleshooting
- House Wiring
- Microsoft Powerpoint, Excel, word
- Managing Knowledge

LANGUAGES

- Tamil *****
- English **

ABOUT ME

Experienced 2.5 years solar PV installer is responsible for installing, maintaining and Minor troubleshooting solar systems on residential or commercial properties. Strong understanding of electrical systems and be able to work with a variety of tools and equipment.

WORK EXPERIENCE

► Solar power plant Projects July 2023–Present

JP Engineers and Contractors,Sivaganga,630307

- Played a key role in the successful commissioning of a **100 MW** solar power plant. Currently **15MW** Commissioning Work in progress.
- Installed, commissioned, and maintained for the solar system **AC ,DC work** on assigned projects, under the guidance of senior staff.

Ac work :

- Installed and Carried out the **laying, Jointing, termination of LT and HT cables** for transformers, Inverter, ACBs and VCBs adhering to design specifications and safety standards.
- Performed pre-commissioning transformer & VCB tests, including **insulation resistance, polarity checks, and voltage drop analysis**, ensuring system safety and compliance.
- Coordinated with engineers to execute power distribution layouts, ensuring efficient power flow across AC circuits.

Dc work :

- Designed and implemented **DC string layouts**, optimizing panel configurations for site-specific conditions.
- Routed and secured DC cables from PV modules to string inverters, maintaining proper polarity and minimizing voltage drops.
- Supported the commissioning process by verifying **string voltages, current flows**, and proper integration with inverters.

Operations and Maintenance:

- Diagnosed and repaired issues in DC circuits, including voltage imbalances, module failures, and string performance discrepancies.
- Experienced in minor troubleshooting and resolving technical problems in **VCB,ACB, transformer and Inverter**.
- Maintained detailed records of all maintenance activities(**DGR**)and provided clients with performance reports and recommendations for improvement.