

Job Notification Form, IIT Delhi

Company Overview

Name: Enphase Energy

Website: WWW.ENPHASE.COM

Company Type: Core (Technical)

Description: Enphase Energy is a leading company in the world's transition to sustainable energy. Founded in 2006, we transformed the solar industry with our revolutionary microinverter technology. Our focus on innovation and superior customer experience helped us quickly become the world's leading provider of microinverter-based solar, battery storage, and energy management systems.

Today, our integrated hardware and software solutions empower people to make, store, use, sell, and share their own energy. We are accelerating the shift away from fossil fuels and toward the clean electrification of our homes, businesses, and communities. Enphase has already installed more than 34 million microinverters, which are helping power approximately 1.5 million households across 130 countries.

We are continuing to grow around the world. Enphase was listed on the S&P 500 for the first time in January 2021, featuring a market capitalization of more than \$20 billion.

Job Details

Designation: Engineer - FW

Type: Core (Technical)

Place of Posting: Bangalore

Job Details: Enphase Energy is the fastest growing inverter company in the world. By combining the power of solar energy and the proven advantages of communications technology, Enphase Energy makes solar power systems productive, reliable, smart and safe - increasing the energy harvest of solar panels by up to 25 percent. Our microinverter system is profoundly changing the way solar systems function, and as a result, changing the solar industry itself.

As we continue our exciting growth, we are building teams with highly talented individual contributors and leaders who design, develop, and manufacture next generation solar technologies. Our work environment is fast-paced, fun, and full of exciting new projects.

Our microinverters control the flow of power from millions of solar panels and counting. As distributed renewable energy resources proliferate, our microinverters will need more advanced high-speed controls in order to manage the voltage and frequency of the next generation smart grids.

This position is within our Firmware Engineering group, where you will work with a small team to develop fully functional prototypes to demonstrate new advanced operation and control for autonomous grid connection, management and regulation.

Responsibilities include:

- Develop test strategies & plans to assure Enphase's inverter firmware functions per engineering requirements and design specifications

- Develop and execute test strategies to ensure safety and optimal functionality for Enphase's solar microinverter product to meet worldwide standards
 - Design and implement automated test systems in Python and Ruby enabling continuous integration of the firmware development team
 - Collaborate with the hardware and firmware engineers to assure firmware is designed for test
 - Confer with other Quality Assurance teams, Development and Product Management to participate in project planning and ensure the effective testing of Enphase's products within design constraints
 - Use test automation, power meters, oscilloscopes, DC supplies and other lab test equipment to ensure complete functional, efficiency, and safety testing coverage for Enphase's solar microinverters' hardware and firmware.
 - Coach and train new members of technical staff on Enphase's test equipment, procedures, and automation software
- Skills and Qualifications**
- Experience through the various stages of embedded software or firmware design, implementation, test, deployment, and maintenance
 - In depth knowledge of relevant worldwide standards such as IEEE 1547, 1741SA, CA Rule 21, HECO SRD 1.1, AS/NZS 4777.2:2015, SAND2013-9875, G83/2 regulations of UK and Sandia standard
 - Knowledgeable in worldwide electrical advanced grid functions and faults conditions
 - In-depth familiarity with AC grid simulators and solar panel simulators

Joining By: 1 July 2022

Salary Details

CTC:	2,500,000 INR Per Annum
Gross:	2,500,000 INR Per Annum
CTC Breakup:	Base + Retiral : 19,21,239.503 Bonus : 90,010.5 RSU : 2,88,750 Joining Bonus : 2,00,000

Selection Process

Resume Shortlist:	Yes
Written Test:	No
Online Test:	Yes
Group Discussion:	No
Medical Test:	No
Personal Interview:	Yes
No. of Rounds:	
No. of Offers:	10

Minimum CGPA:	8 & 80% in 10th and 12th
--------------------------	--------------------------

Eligibility

Recruiting PHDs:	Yes
-----------------------------	-----

Eligible Departments:	B.Tech in Computer Science & Engineering, B.Tech in Electrical Engineering, B.Tech in Electrical Engineering (Power and Automation), B.Tech and M.Tech in Computer Science & Engineering, M.Tech in Communications Engineering, M.Tech in Computer Science & Engineering, M.Tech in Power Systems, M.S.(R) in Electrical Engineering
----------------------------------	--