



Position Title: Electronics HW Manager

Department: R&D

Reporting To: CTO/ Head, R&D

Functional Area: All Products

Role and Responsibilities:

- Leading all the development activities in the area of Solar Products including Solar inverters, Charge controllers and Tracker control unit ensuring that the product KPIs are met. Includes planning the development activities, controlling BoM cost, allocating resources, conducting design reviews, testing & validation and ensuring ontime design deliverables
- RFQ management from HW point of view. Getting design sign offs from the customer. Conducting DFMEA review with the customers.
- Team development, skill gap analysis, recruitment and training
- Presently Monthly and periodic reports to senior management
- Working with external agencies to understand the market/customer requirement and get the product developed either inhouse or with help of external agencies.
- Defining BoM and meeting product cost target. Identifying innovative solution for VA-VE activities.
- Leading SW development either in-house or external agencies for the Solar inverters, Charge controller and Tracker controller.
- Provide the product leadership to Manufacturing and Process teams to help them manufacturing the product to meet the functionality and quality target. Lead Design for manufacturing.
- Managing technology roadmap for the Solar Products. Understanding upcoming technologies and leading the implementation of new technology.
- Helping the team to solve technical issues. Manage proto parts building for ontime delivery to the customer.

Minimum Educational Qualification Required: -Bachelor of Technology (B.Tech) / Bachelor of Engineering (B.E) in Electronics**Experience Required :** 12-20 Years. Experience in Power electronics for Solar industry. Major experience should be in Solar industry.**Skills Required:**

	Technical Skills:	Basic	Advance	Expert
	Experience in developing Power electronics product for Solar industry including Solar Inverters, Charge controllers, traction controller etc. especially in commercial and industrial segment.			√
	Experience on microcontroller based design architecture for 8/16/32 bit controllers			√
	Experience in Power electronics design. Inverters and motor controllers.			√
	System requirement and SW development for Solar inverters, Charge controllers and traction controllers. SW architecture and coding.		√	
	Experience in handling a small team of developer and designers		√	
	Experience in project management for complete development including requirement analysis, design, DFMEA, BOM and costing, SW release, proto assembly and testing, validation and production release. Project scheduling and resource allocation			√
	Testing and Validations of Solar components and systems as per required standards for different markets (EMI/EMC, UL, CE, BIS)			√
	Experience in working with external agencies for product development and certifications			√

	Behavioral Skill:	Basic	Advance	Expert
	Stakeholder management			√
	Ability to lead and coach		√	
	Logical and analytical ability			√

	Other Skills	Basic	Advance	Expert
	Understanding of Electronics manufacturing process		√	

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