



KISSAN SOLAR EDUCATION BROCHURE

About Us:

Kissan Solar Education Group is a place where people Learn about solar, get Training, working with us & start their Business by Support of us. Due to Some reason many people could not able to learn due to Financial Problems, Timing Issue, Platform etc. Our Learning Center is Specially Focused on Farmer or those who are not able to take their course.

Contact Us:

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LEARN, WORK AND START BUSINESS

WHERE **LEARNING** BEGINS

We make "**AATMANIRBHAR**" to Every person. Each Person can able to start their Solar Business by Support of Kissan Solar Education. We support Every Individual to establish soul of "**AATMANIRBHAR**"



WHAT WE DO

Kissan Solar Provide you complete Knowledge on Solar System. If you have any Financial Problem, we provide you Scholarship. You can take training from us. If you want Job, we provide you references but your selection Depends on your merit. If you want Start your Business you can start your own Business in ZERO INVESTMENT. We Support you to Establish your Business.

KISSAN SOLAR, is our another Establish Solar Business. If you want to establish your business, we are here to support you. You can execute your business without investment, there is nothing like Stock Management, Payment security. All investment will be made by KISSAN SOLAR

INSTITUTE COURSES

KISSAN SOLAR COURSE (KSC)

YOU will learn about Basic Concept of Solar System for job in **R & D Department** of any Company. You can learn how to increase efficiency of Solar Cell, that research is doing by Scientist all over World.



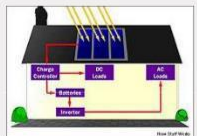
SPECIAL SOLAR COURSE

If you want to learn for job In Project Coordinator, Site inspector, Marketing etc., Special Solar Course is designed for you. All Software will be taught to you.



DESIGN OF SOLAR SYSTEM AT HOME & OFFICES

If you want to learn OFF Grid Solar System for offices & Home. You also Provide Webinar or Classes for you in very Low cost



DESIGN OF SOLAR WATER PUMP

If you want to learn Design of Water Pump System for offices & Home. You also Provide Webinar or Classes for you in very Low cost



WHY US?

It is our Merit or List of Solid advantages so that every candidate choose to us for Solar system in term of learning, Training.

- ✓ **Don't pay for Whole Course:** You can Customize your course module according to your need. Thus you can save your money. You can learn according to Job Department.
- ✓ **Take Practical Training:** You are free to take Practical Training In term of Solar System.
- ✓ **Work with Us:** If you are interested you can also work with us for our Education Center or for Our KISSAN SOLAR. You can take Franchises
- ✓ **Start Business in no investment:** After training or learning, if you want to establish your solar business without any investment. We support you to establish your solar business in zero investment.
- ✓ **Take Back Support:** Our Team always here to back support on Technicality and product Knowledge after your Training



LEARN SOLAR MODULE IN CUSTOMIZE WAY

MODULE 1	TYPE OF SOLAR POWER PLANT
	Off Grid Power Plant
	On Grid Power Plant
	Hybrid Power Plant
MODULE 2	SELECTION OF SITE AND SHADOW ANALYSIS
	PV Module structure interrow spacing
	Selection of PV Module tilt Angle
	Near Shadow Object Calculation
	Site Survey and Plant Assessment
	Types of Solar Radiation
	Solar Geometry
	Solar altitude
	Defining Position of Sun
	Using of Google SketchUp
	Example
MODULE 3	TYPE OF PV MODULE TECHNOLOGY
	Poly Crystalline
	Mono Crystalline
	Thin Film
	Manufacturing Process of PV Cell
	Selection of PV Cells
	Characteristics of Solar Cell
	Power Characteristic of Solar Cell
	STC & NOCT
MODULE 4	SOLAR INVERTER SELECTION & SIZING
	Type of Solar Inverter
	Selection factor of Inverter
	Sizing of Solar Inverter
	Overloading Calculation & Clipping Losses
	Protection for Solar Inverter
	Anti-islanding Protection
	Grid Connected Invt. Vs Off Grid Inverter
	STC & NOCT

LEARN SOLAR MODULE IN CUSTOMIZE WAY

MODULE 5	CONNECTION OF PV MODULE
	Series Connection
	Parallel Connection
	Combining Parallel & Series Connection
	PV Module String Connection
	Mismatch Factor on voltage, Current & Power
	Hotspot
	Practical Numerical
MODULE 6	SOLAR POWER PLANT SCB/ACDB/MDB
	Selection & Sizing of SCB
	Selection of Isolator & Fuse
	Selection & Sizing SPD & Protection
	PV Module String Connection
	Mismatch Factor on voltage, Current & Power
	ACDB Switchgear Sizing
	Practical Numerical
MODULE 7	SELECTION AND SIZING OF AC / DC CABLE
	Sizing of Solar Cable / DC Cable
	Derating Factor of Cable
	Sizing of AC cable (invt to ACDB, ACDB to MDB)
	Sizing of DC Cable (Module to SCB, SCB to Inverter)
	HT Cable (Transformer to HT Gear, Gear to Pooling Station/ Metering Point)
	ACDB Switchgear Sizing
	Practical Numerical
MODULE 8	SIZING OF AC/DC SIDE EARTHING
	Type of Earthing
	Types of Earthing Strip & Ground Conductor
	Type of vertical Electrode
	Sizing & Area of GI Strip
	Resistance Calculation of GI Strip
	Resistance calculation of Pipe Electrode.
	Practical Numerical
MODULE 9	SYSTEM LOSSES OF SOLAR POWER PLANT
	Layout of Solar Power plant
	Losses Department
	Various Types of Losses

MODULE 10	SOLAR POWER SYSTEM YIELD PERFORMANCE
	Calculation of Energy Yield
	Specific Yield
	Performance Ratios (PR ratio)
	CUF Calculation
MODULE 11	PLANT INSTALLATION & COMMISSIONING
	IEC Standards
	Commissioning
	System Documents
	System Installation & Pre commissioning Checklist
	Commissioning Test Sheets
MODULE 12	MAINTENANCE & TROUBLESHOOTING
	Weekly Maintenance
	Monthly Maintenance
	Annual Maintenance
	Troubleshooting
MODULE 13	SOFTWARE
	PVsyst
	Google SketchUp
	Helioscope
	Assignment
MODULE 14	PRACTICAL SOLUTION
	How to Design Solar System at Home & Offices
	How to Design Solar Water Pump
	Live Installation Video
	Assignment

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KS EDUCATION
BUILD YOUR DREAMS