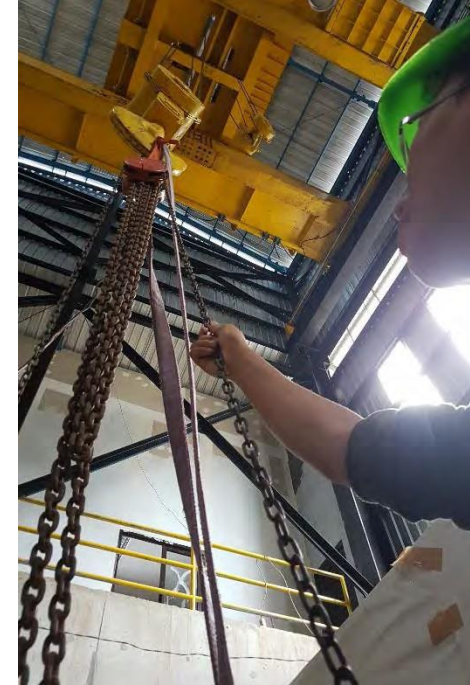




# TRIA DAYATAMA POWER SOLUSINDO

Integrated Solution for Your Power Business



## Company Profile

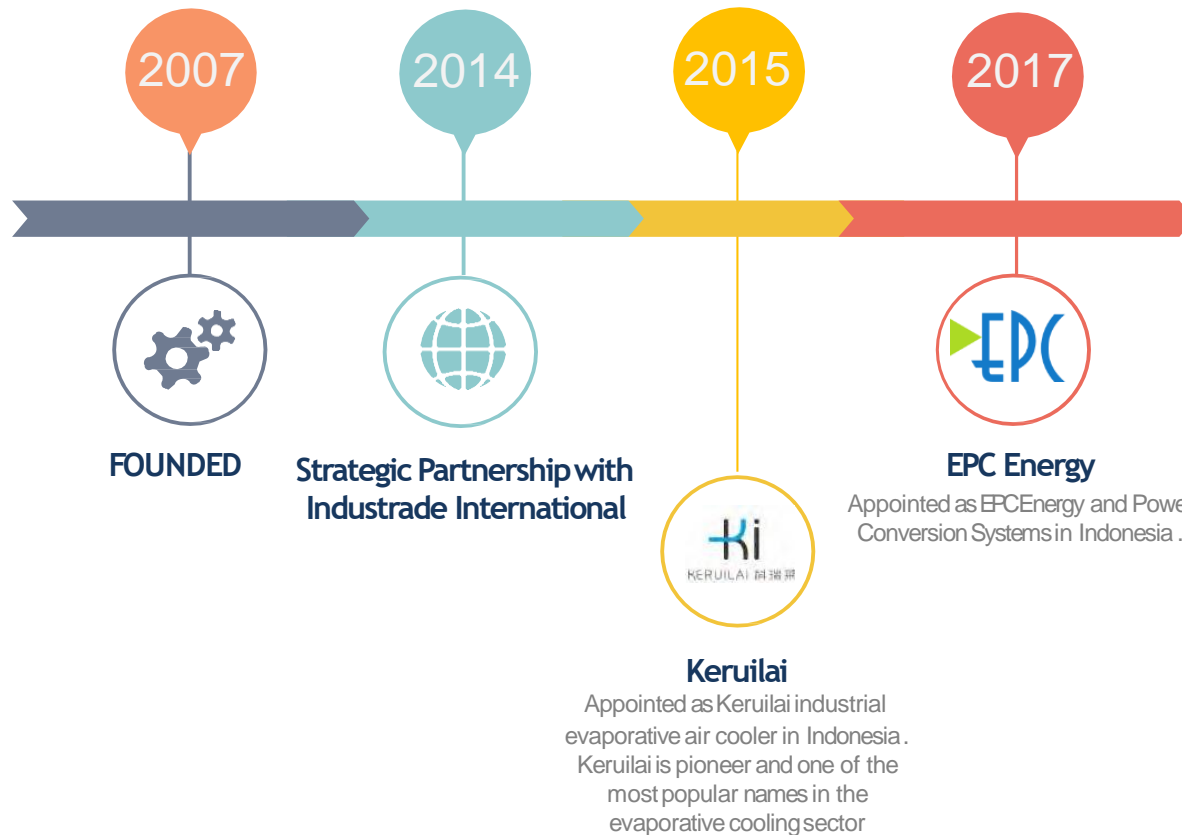
### TRIA DAYATAMA POWER SOLUSINDO

Integrated Solution for Your Power  
Bussines



# TRIA DAYATAMA POWER SOLUSINDO

Integrated Solution for Your Power  
Business



**INTEGRATED  
SOLUTION  
PROVIDER FOR  
OUR CLIENT  
POWER  
BUSINESS**

## ABOUT US

TRIA DAYATAMA POWER SOLUSINDO  
Founded in 2007, PT. Tria Dayatama Power Solusindo (TDPS) brings electrical power solution as its core business

Our vision is becoming the first priority of potential partner for our client with the emphasize of strategic and mutually benefiting business partnership



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## INDUSTIRA INTERNATIONAL

- MV Switchgear Manufacturer
- LV Switchgear Manufacturer
- SINCE 1976

## TRIA DAYATAMA POWER SOLUSINDO

- M/E Engineering Service
- Project Management
- Construction Company

## ANDI JAYA TEKNIK

- Electrical Component
- Utilities Panel
- Equipment Trading

## TRIA DAYATAMA SOLUSI PRIMA

- Logistic
- Mobilization
- Relocation
- Custom Clearance

***At Glance -TPDS Group Companies***





# TRIA DAYATAMA POWER SOLUSINDO

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## How TDPS bring integrated Solution

Our Product and Service

We clearly understand on your need in power business and fully committed to provide services with values added to boost and accelerate the growth of your business. Our commitments reflected by the innovation of our product and services range as well the expertise and experience of our key personnel.

### Our Product



#### Keruilai

Keruilai is pioneer and one of the most popular names in the evaporative cooling sector



#### EPC Energy

expert at the uninterrupted power supplies, rectifiers, static transfer switch, voltage regulator (static servo), full maintenance nichel batteries, telecom power supply, sun panels, active and passive filters, sudden voltage suppression units.



#### DEIF

Global supplier of innovative power management solution, engine genset controller, switchboard equipment, marine bridge instrumentation and renewable energy control solutions.



#### ICAR S.p.A.

Since 1946 is leading manufacturer of electrical capacitors and low and medium voltage system

### Our Service



#### Engineering

With our capabilities, we are ready to deliver solutions for your Engineering Design, Owner's Engineering, Plant Assessment, etc. Both electrical and mechanical system to suits your needs. For new basic design, feasibility studies, detail design of renovated plant or new projects, our engineering services allows you to ensure optimum performance from the engineering to operation phase with efficient and sustainable solutions.



#### Electrical Supply

LV/MV Panel, Control Panel



#### Erection and Installation M/E Equipment

Power sector as well as industrial sector are within our service coverage for Mechanical and electrical erection and installation service



#### Logistic Services

We are supported by qualified team in logistic and transport for any kind of equipment to various remote places. Our experience have shape our journey to deliver your equipment on time, on Budget and safely arrive at your premises



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## Electrical Panel Supply



LV Panel Supply



MV Panel Supply



Control Panel Supply

Selecte d Project	Equipment	Main Compo ne nt
PLTM Padang Guci	AC/DC main distribution	Socomec, Eltek
PLTM Pongbatik	AC/DC main distribution	Socomec, Eltek
PLTM Sangirhulu	AC/DC main distribution	Socomec, Eltek
PLTM Pusaka	Gardu hubung (MV switchgear, metering)	Schneider SM6
Unilever	Synchro panel between GT and PLN+PLC control	Woodward, Omron PLC
Indocement	110VDC system supply and reconfigurati on	Sphere 110VDC charger, Nicad Battery
Sewatama	Synchro panel supply	Deif
Grati	AVR Replacement	Brush
Fuji Electric		Omron

**TDPS Expertise**





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## Construction and Erection...(1)







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## Construction and Erection...(2)



### Selected Project List

Unilever – Sei Mangkei

PLTMPusaka - Cianjur

PLTUAdipala - Cilacap

Aspek Kumbong – Cileungsi







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## Erection Completion of PLTMH







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## *Erection Completion of PLTMH*



Power house progress





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## *Erection Completion of PLTMH*



Gardu hubung progress







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## Logistic







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## Metal Works and Steel Structure



  
WhatsApp Video 2017-11-09 at 22.12.36.mp4  
Hidro test

  
WhatsApp Video 2017-11-03 at 14.53.16.mp4  
Penstock erection

### Scope of Service

Penstock

Gate & Trash Rack

Power House

Slide rail

Steel Structure

Ladder & Platform





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## OUR CLIENTS



NARUMI



TACI



INDONESIA  
POWER



PT. Meares Soputan Mining



VOITH



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**TERIMA KASIH**  
**THANK YOU**

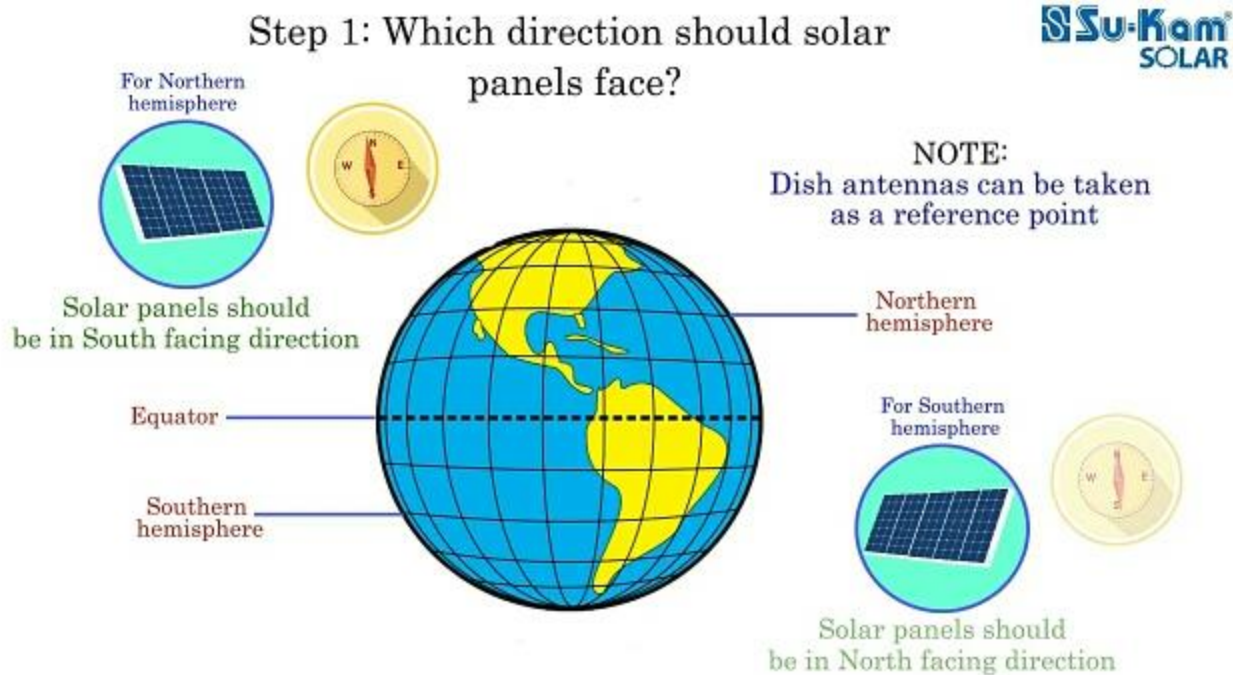
ありがとう  
고맙습니다  
SALAMAT  
ขอขอบคุณ  
Cảm Ơn

[www.tdps.co.id](http://www.tdps.co.id) ; [sales@tdps.co.id](mailto:sales@tdps.co.id);  
Joiner Edison : 08170064069;  
08119999432;  
[Joiner.edison@gmail.com](mailto:Joiner.edison@gmail.com)





## Roof Top Solar Structure Installation

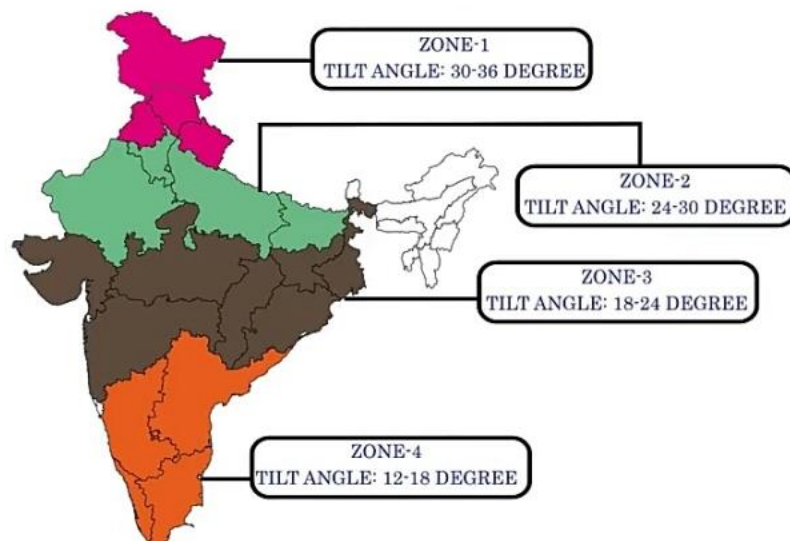
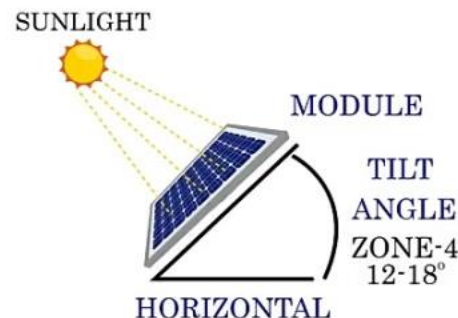


### Roof Top Solar Structure Installation

Step 2: In which angle should you install solar panels?



The solar panel tilt angle from the horizontal should be decided according to the latitude of your location anywhere in the world

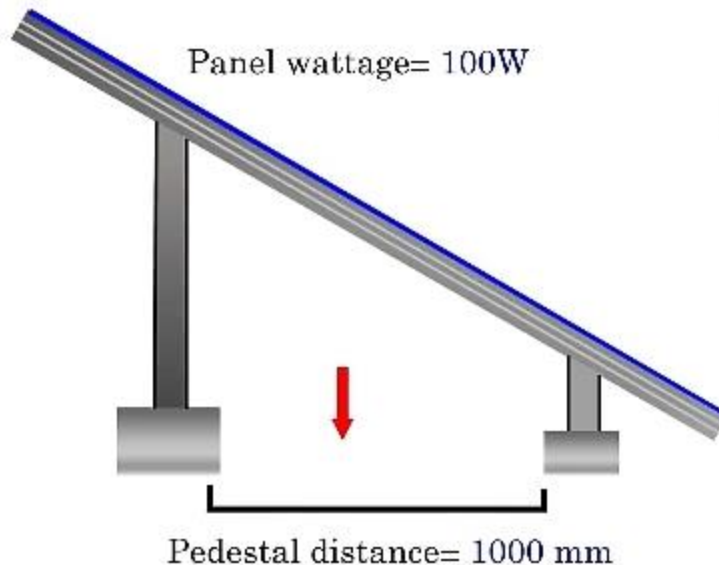


ZONE	TILT ANGLE	STATES
ZONE 1	30-36°	J&K,PUNJAB, HIMACHAL PRADESH, UTTARAKHAND
ZONE 2	24-30°	RAJASTHAN, UP, DELHI, HARYANA, BIHAR, NORTH EASTERN STATES
ZONE 3	18-24°	GUJARAT,MP,JHARKHAND, WEST BENGAL, MAHARASHTRA, CHATTISGARH, ORISSA
ZONE 4	12-18°	KARNATAKA,TAMIL NADU, AP,TELENGANA,KERALA



## Roof Top Solar Structure Installation

Step 3: How to mount your solar panels?

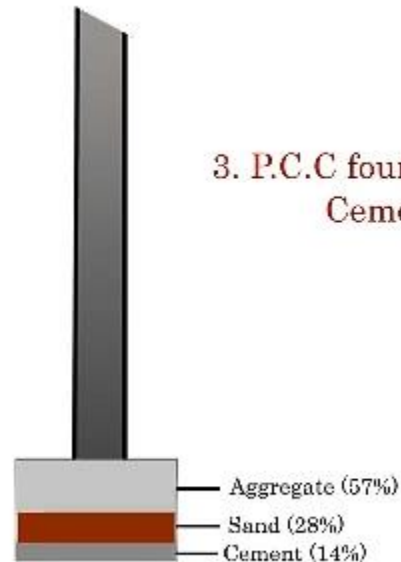


1. The distance between the two pedestal

SOLAR PANELS (WATTAGE)	Distance between the 2 pedestal's centers
100 W	1000 mm
150 W	1400 mm
250 W	1600 mm

## Roof Top Solar Structure Installation

Step 3: How to mount your solar panels?



3. P.C.C foundation ratio should be 1:2:4  
Cement : Sand : Aggregate

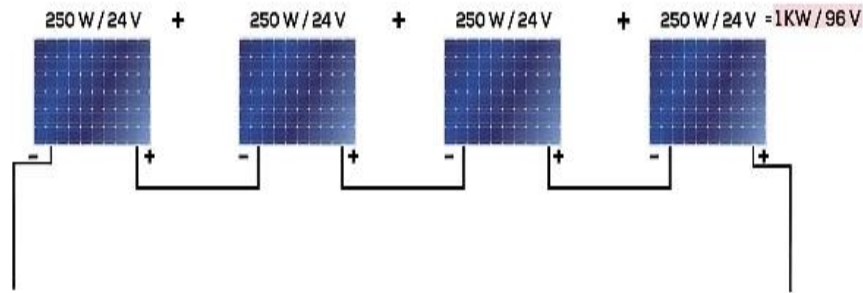


### Roof Top Solar Structure Installation

Step 4: How to connect solar panels in Series/Parallel?



#### Series Connection



By connecting the solar panels in series, Voltages of solar panels add up

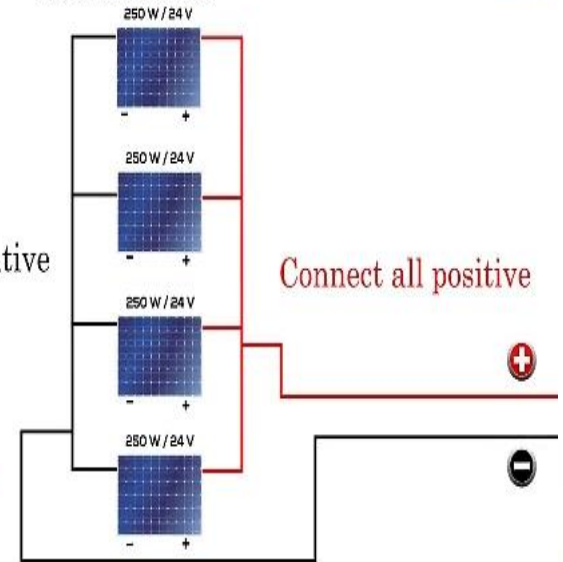
Step 4: How to connect solar panels in Series/Parallel?



Connect all negative termin

Connect all positive

For connecting the solar panels in parallel

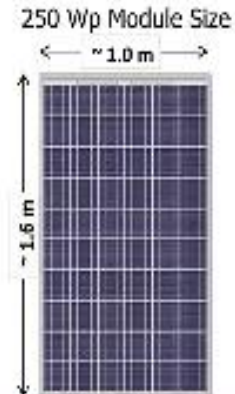




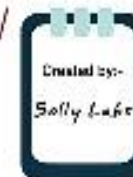
## Roof Top Solar Structure Installation



Module size of each 250W solar panel is:



1 KWp requires minimum 12 sq. meters /  
108 sq. feet shadow free space





## Install Steel Structure and alignment properly





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1. Drill in the roof as per fastner size/design
2. Clean the hole using air blower
3. Using the chemical bonding fastners
4. Fix The fastners





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PS

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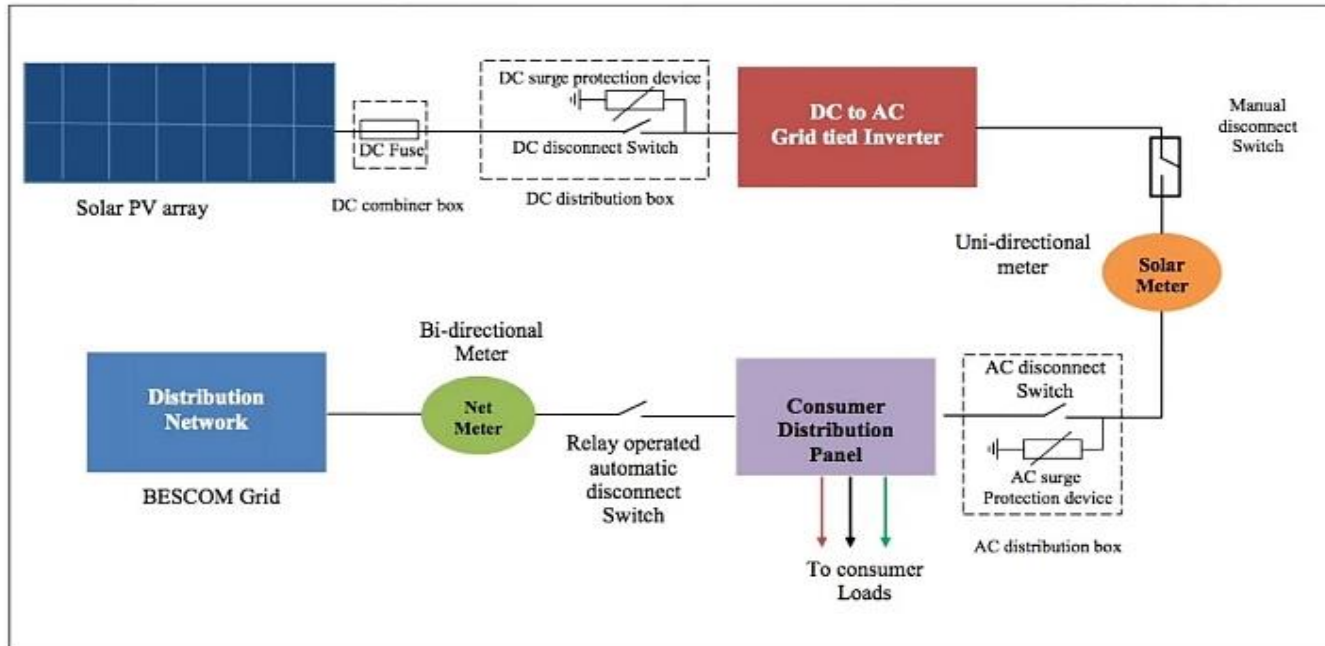
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Connect all structures using earthing strip



### Single Line Diagram of Rooftop Facility for Net Metering Interconnection



1. Install/Mount ACDB using proper size of fastners
2. Install/Mount Inverter panel
3. Connect All cable properly
4. Check, measure and make not for the reading
5. Set the inverter parameters
6. Monitor the plant performance