ceylon energy & engineering services pvt ltd



Company Profile

"We are "Ceylon Energy Services" Ceylon energy & engineer services PVT Ltd is one of the best service providers with a lot of specifications which specially planned to fill the gap of unsatisfied needs of hunger of sustainable energy"

Ceylon Energy
Engineering services

0713 65 45 65 / 0113 65 45 65

World Trade Center, Level 26 & 34,
East Tower, Echelon Square, Colombo 00100

www.ceylonenergyservices.com

Table of Contents

company overview	03
Our Vision & Mision	04
Company Profile	05
What To Expects	06
Our Residential Projects	07
Our Utility-Scale Projects	09
Electric Vehicles	11
Smart home Concepts	12
Solar Panel Warranties	13
Inverter Warranties	14
Installations	15
Payments	19
Contact Details	23

Company Overview



Ceylon Energy & Engineering Services (Pvt) Ltd is an authorized and registered service provider in Sri Lanka's Sustainable Energy Authority to design, supply, install and maintain high quality solar energy solutions for residential, commercial and industrial sectors.

We provide complete EPC solutions with international standard products and Sri Lanka's most experienced engineering team to deliver safe, reliable and cost effective solar systems.





Vison and Mission

Vision

Empower a millions of lives through sustainable, affordable & innovative energy solutions.

Mission

- To provide responsive, safe & trusted solutions to our clients with the highest quality, for most affordable prices.
- Keeping the customer at the centre of all we do
- Operating assets and executing projects at benchmark level through technology & innovations
- Sustainable growth with a focus on profitability and market leadership
- Creating an empowered workforce driven by passion & purpose
- Leadership with care: for all

COMPANY PROFILE

Ceylon Energy & Engineering Services PVT Ltd is authorized and registered in Sri Lankan sustainable energy authority to install the highest-rated solar energy solutions in Sri Lanka. This package contains everything you'll need to select a solar energy plan that's right for your business, including facts and figures supporting the expected outcome a solar energy system will have on your overall costs, and projecting when your new system will "pay for itself" in energy savings.

Ceylon Energy & Engineering Services PVT Ltd has been providing sustainable designs for many of our customers. As a collective group we offer local consulting to assist our clients in planning, development, design, construction, operation and maintenance of critical infrastructure. At our company we go beyond structural consulting and are committed to the bigger picture. We make it a priority to work closely with the entire project team to understand the vision, sustainability and goals of th project.

Our satisfied customers include office and retail buildings, residential developers, institutions, and of course homeowners. Our business is keeping people and the environment healthy, comfortable, and happy knowing that they've made responsible choices in their fuel and energy consumption.

Ceylon Energy & Engineering Services PVT Ltd is one of the fastest growing consultancies in the Sri Lanka. We are confident that we have the manpower base on our customer reviews and financial strength to execute the project in the highest professional manner. We're confident that our qualifications and experience in the solar energy field will meet your needs, and we look forward to working with you to make your workplaces and buildings more efficient.

The enclosed proposal is based on our current understanding of your project needs. We would love to collaborate with you, in the further to re fine this proposal to meet your needs. We look forward to discussion with you further.
Sincerely,

WHAT TO EXPECT

Terms & Conditions

Thank you for choosing Ceylon Energy & Engineering Services (Pvt) Ltd. We are committed to providing high-quality solar solutions and reliable after-sales support.

- All products supplied are covered against manufacturing defects as per the manufacturer's warranty terms.
- Solar Panels (JA Solar, Jinko Solar, Canadian Solar, REC, Trina Solar, Phono Solar):
  - 10-Year Product Warranty
  - 25-Year Performance Warranty
- Inverters (Solis, Solax, Deye, ABB, GoodWe, Fronius, SMA):
  - 10-Year Manufacturer Warranty
- The company will facilitate all valid warranty claims in accordance with the manufacturer's guidelines.
- Warranty does not cover damages caused by customer negligence, improper handling, internal wiring faults, or unauthorized modifications.
- The company is not responsible for internet/router-related failures, online monitoring issues caused by customer network changes, or power production losses due to CEB/LECO grid failures, fluctuations, or shutdowns.
- Carbon credits generated by the solar installation shall remain the property of Ceylon Energy & Engineering Services (Pvt) Ltd.
- The offer letter, product manuals, and related documents form part of this warranty agreement.
- Free after-sales service includes two (2) maintenance visits during the first year from the CEB connection date.
- After the first year, maintenance and service visits will be charged according to the company's prevailing service rates.
- Online monitoring support related to Wi-Fi password changes, network cable disconnections, or customer-side internet issues is chargeable.
- After the expiry of the manufacturer's warranty, any warranty extension, claim handling, freight, or related costs will be borne by the customer.
- For further information or assistance, please contact our office during business hours.

OUR SOLAR INSTALLATION PROJECTS

Delivering high quality solar energy solutions for homes and businesses across Sri Lanka.

01 15 KW

MR RAGULENDRAN ASSADUA HOLDINGS WELLAWATTA

DESCRIPTION

- 20 KW
- SOLIS INVERTER 3 Quantity
- 40 Jinko Solar Panels
- 1500 Square Feet
- Net Accounting
- Installation
- Services & Maintains





02 10 & 15 KW

RESIDENTIAL MS HAFIYA & MR AKBAR WELLAWATTA

DESCRIPTION

- 10 & 15 KW
- SOLIS INVERTER 2 Quantity
- JA & JINKO Solar Panels
- 2000 Square Feet
- Net Accounting
- Installation
- Services & Maintains





03 18 KW OFF GRID BACK UP

MR ANUSHKA GURUSIGHA THALAWATHUGODA

DESCRIPTION

- 18 KW
- SAKO INVERTER 3 Quantity
- 24 SAKO Solar Panels
- 2000 Square Feet
- Net Accounting & Off Grid
- Installation
- Services & Maintains





CLEAN ENERGY • BETTER TOMORROW

OUR SOLAR INSTALLATION PROJECTS

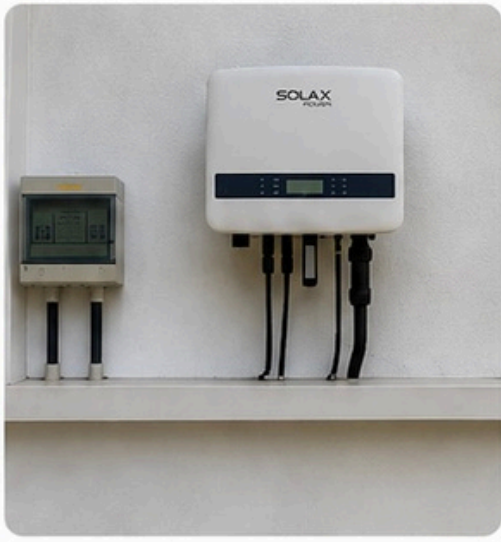
Delivering high quality solar energy solutions
for homes, businesses and industries across Sri Lanka.

01 5 KW RESIDENTIAL INSTALLATION

SYSTEM DETAILS

System Size	: 5 KW
Inverter	: SOLAX 5KW
Solar Panels	: 10 x 550W
Total Area	: 2750 Sq. Ft
Net Accounting	: Yes
Installation	: Complete
Services	: Operation & Maintenance





02 10 KW RESIDENTIAL INSTALLATION

SYSTEM DETAILS

System Size	: 10 KW
Inverter	: SOLIS 10KW
Solar Panels	: 20 x 550W
Total Area	: 5500 Sq. Ft
Net Accounting	: Yes
Installation	: Complete
Services	: Operation & Maintenance





03 Residential Works (5KW - 10KW)

SYSTEM DETAILS

Systems	: 5KW - 10KW
Inverters	: SOLAX / SOLIS
Solar Panels	: 10 - 20 Panels
Applications	: Homes & Small Businesses
Net Accounting	: Yes
Installation	: Complete
Services	: Operation & Maintenance





OUR SOLAR INSTALLATION PROJECTS

Delivering high quality solar energy solutions
for homes, businesses and industries across Sri Lanka.

01 100 KW
EFL WELLAMPITIYA

SYSTEM DETAILS

System Size	: 100 KW
Inverter	: SMA 100KW
Solar Panels	: 200 x 550W
Total Area	: 30000 Sq. Ft
Net Accounting	: Yes
Installation	: Complete
Services	: Operation & Maintenance






02 200 KW
SABARAGAMU UNIVERSITY SITE

SYSTEM DETAILS

System Size	: 200 KW
Inverter	: SMA 100KW
Solar Panels	: 400 x 550W
Total Area	: 60000 Sq. Ft
Net Accounting	: Yes
Installation	: Complete
Services	: Operation & Maintenance





03 150 KW
BLUE FEATHERS SPORTS CLUB MORATUWA

SYSTEM DETAILS

System Size	: 150 KW
Inverter	: SMA / SOLIS
Solar Panels	: 300 x 550W
Total Area	: 35000 Sq. Ft
Net Accounting	: Yes
Installation	: Complete
Services	: Operation & Maintenance





OUR SOLAR INSTALLATION PROJECTS

Powering homes, businesses and industries
with reliable solar energy solutions across Sri Lanka.

01 150 KW
CES EDUCATION CENTER GRANDPASS

DESCRIPTION

- 150 KW
- SMA INVERTER 1 Quantity
- PHONO Solar Panels
- 9000 Square Feet
- Net Accounting
- Installation
- Services & Maintains





02 1200 KW
EFL LOGI PARK ORUGODAWATTA

DESCRIPTION

- 1200 KW
- KAKO GERMAN INVERTER 15 Quantity
- 3500 REC Solar Panels
- 70,00 Square Feet
- Net Accounting
- Installation
- Services & Maintains





03 850 KW
NITHYA PAPAERS PAPER COMPANY HORANA

DESCRIPTION

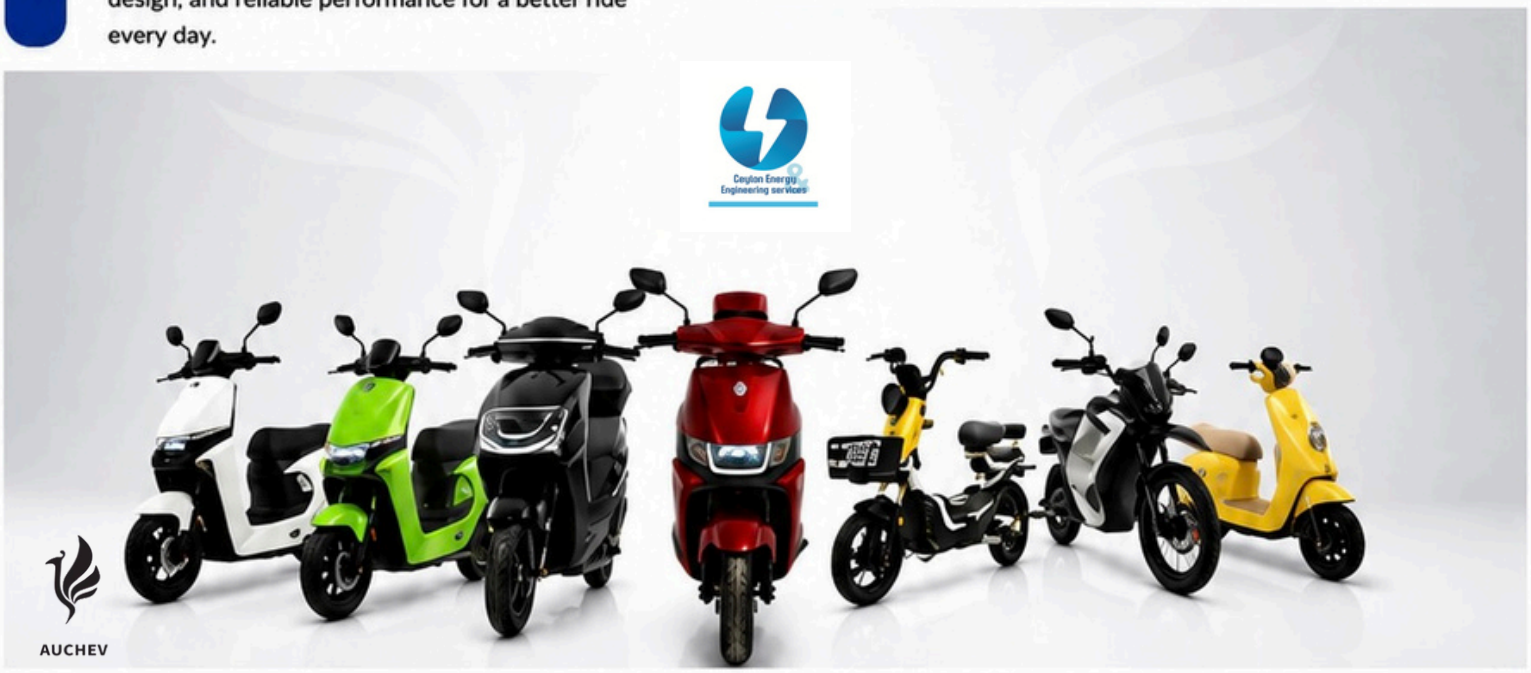
- 850 KW
- SMA INVERTER 1 Quantity
- PHONO Solar Panels
- 50000 Square Feet
- Net Accounting
- Installation
- Services & Maintains





ELECTRIC VEHICLES

AUCHEV electric vehicles are designed to deliver a smarter, cleaner, and more sustainable way to move, Combining advanced technology, stylish design, and reliable performance for a better ride every day.



ABOUT AUCHEV ELECTRIC VEHICLES

AUCHEV is committed to building high-quality electric vehicles that are efficient, environmentally friendly, and affordable. Our vehicles are ideal for daily commuting, business use, and last-mile delivery solutions.

KEY FEATURES

- Zero tailpipe emissions
- High energy efficiency
- Low noise operation
- Smart digital display
- Regenerative braking
- Strong battery performance
- Fast & convenient charging
- Stylish & modern design
- Comfortable & smooth ride
- Ideal for urban mobility

ECO FRIENDLY
Zero emissions for a cleaner and greener environment.

COST EFFECTIVE
Lower running and maintenance costs compared to fuel vehicles.

RELIABLE & SAFE
Built with high-quality components ensuring safety and durability.

SMART TECHNOLOGY
Advanced features for a more convenient and connected ride.

OUR ELECTRIC VEHICLE RANGE

Electric Scooters
Perfect for daily commutes and city rides.

Electric Bikes
Lightweight and efficient for short distance travel.

Electric Cargo Solutions
Built for business and delivery applications.

Electric Mobility Scooters
Comfortable and safe for all age groups.

DRIVE THE FUTURE
Choose AUCHEV and be part of the movement towards a sustainable future. Smarter choice, better tomorrow.

TYPICAL SPECIFICATIONS*	
Motor Power	800W – 3000W
Battery Type	Lithium-ion
Battery Capacity	48V / 20Ah – 72V / 40Ah
Top Speed	25 – 75 km/h
Range per Charge	60 – 120 km
Charging Time	4 – 6 Hours
Load Capacity	120 – 200 kg
Brakes	Disc Brakes
Display	Digital Smart Display

*Specifications may vary by model.

SMART HOUSE CONCEPTS

Intelligent living for a smarter tomorrow.



Our smart house concepts combine modern design with advanced technology to create comfortable, secure, and energy-efficient homes. Experience convenience, control, and connectivity all in one intelligent living space.

SMART AUTOMATION
Control lighting, appliances, curtains, and more with your smartphone or voice.

ENHANCED SECURITY
Smart cameras, motion detectors, and door locks keep your home safe 24/7.

ENERGY EFFICIENCY
Smart systems help reduce energy consumption and lower utility costs.

CLIMATE CONTROL
Intelligent temperature control for maximum comfort in every season.

SMART LIGHTING
Adjust brightness, colors, and schedules to suit your lifestyle and mood.

ABOUT SMART HOUSE CONCEPTS

Our smart house solutions are designed to make daily living easier, safer, and more convenient. From smart automation to energy management, every feature is carefully integrated to provide a seamless living experience for you and your family.

- Modern & functional architectural design
- Seamless smart technology integration
- Remote control & monitoring
- Scalable solutions for future needs
- Increased comfort, safety & property value

SMART FEATURES

MOBILE CONTROL
Control your home anytime, anywhere from your smartphone.

SMART SECURITY
Real-time alerts and surveillance for complete peace of mind.

SMART APPLIANCES
Automate and schedule appliances for convenience and energy savings.

WATER MANAGEMENT
Monitor and control water usage to avoid wastage and save resources.

ENTERTAINMENT SYSTEM
Integrated audio-visual systems for the ultimate home entertainment.

ENERGY MONITORING
Track energy usage in real-time and optimize for efficiency.

BUILDING A SMARTER FUTURE

We design and deliver smart homes that enhance your lifestyle, protect your loved ones, and contribute to a sustainable future. Smart living starts here.

SOLAR PANEL WARRANTIES

Product Warranty

- Up to 10–12 years against manufacturing defects (varies by brand).

Performance Warranty

- Up to 25 years, guaranteeing high energy output throughout the panel's lifespan.

Inverter Warranty

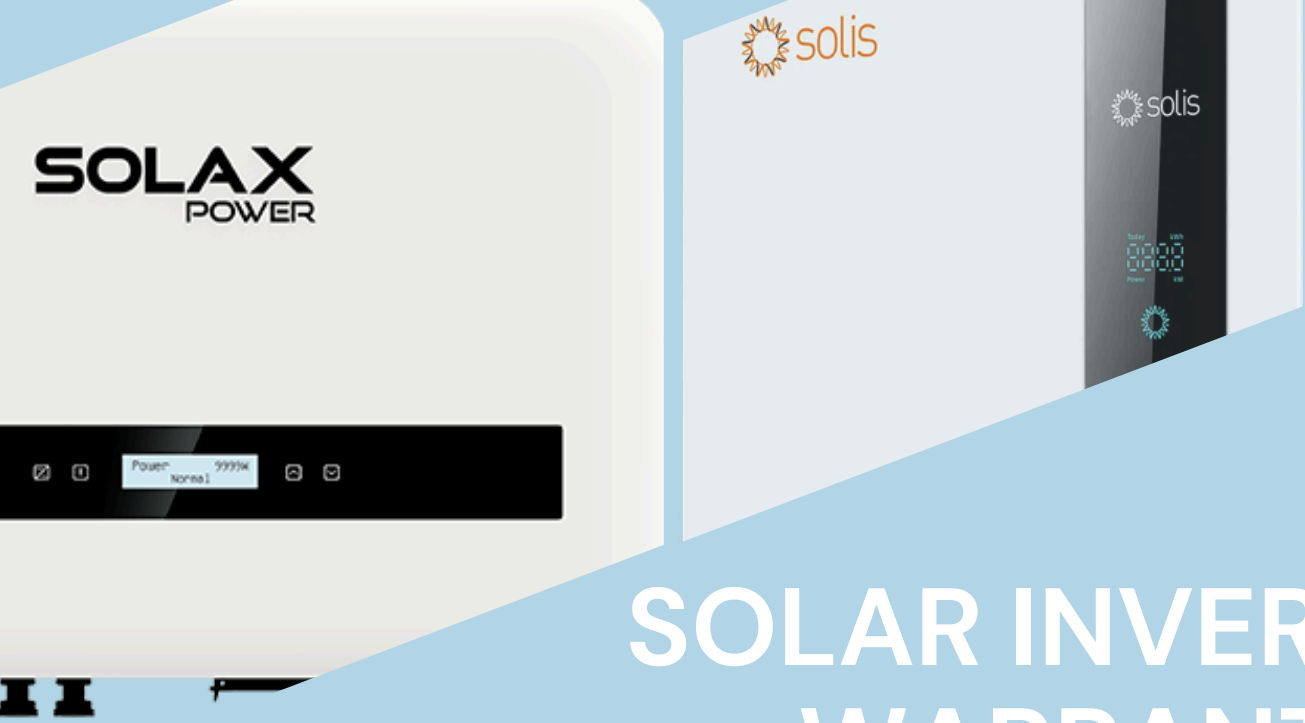
- Up to 10 years for selected inverter brands, as per manufacturer terms.

Warranty Support

- Ceylon Energy & Engineering Services assists customers with all eligible warranty claims.

After-Sales Service

- Two free maintenance visits during the first year after CEB connection.



SOLAR INVERTER WARRANTIES

We provide high-quality solar inverters from trusted global brands including Solis, Solax, Deye, ABB, GoodWe, Fronius, and SMA.

- **Warranty** : Up to 10 years for manufacturing defects and product issues.
- **Reliable Performance**: Efficient power conversion with long-term stability.
- **Warranty Support** : Assistance with eligible manufacturer claims.
- **Expert Service** : Professional installation, maintenance, and technical support.

Our goal is to deliver reliable solar solutions with trusted warranties and lasting performance.

INSTALLATION AND CONSTRUCTION PROCESS

DESCRIPTION

1 Permitting and Approval

We obtained all necessary permits and approvals from local agencies.

2 Site Assessment and Design

Our team assessed the site and designed a custom system to maximize energy output.

3 Testing and Commissioning

We thoroughly tested the system and commissioned it for operation.

4 Installation and Wiring

Our certified installers carefully installed the system and wired it to the electrical grid.

INSTALLATION PROCESS



1 Inspection and Preparation

The roof and the area around it must be inspected for any damages and to ensure that it can handle the weight of the panels. Preparation will involve cleaning the surface and ensuring all necessary measures are gathering tools.

2 Panel Layout and Spacing

The location of each panel on the roof must be determined, taking into account spacing requirements, shading factors, and orientation. The position and direction are adjusted to maximize sunlight exposure.

3 Mounting and Securing Panels

The rails and brackets should be attached to the roof per the instructions and secure tightly. The panels should then be secured onto the rails using the appropriate clamps or mounts to ensure stability and withstand harsh weather conditions suited to the made accordingly to the specifications.

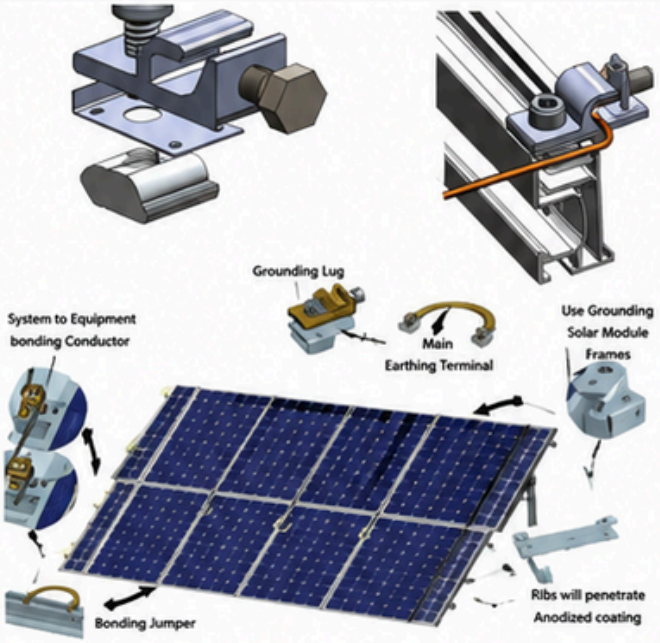
EARTHING IN SOLAR PANEL SYSTEM

DESCRIPTION

Importance of Earthing in Solar Panel System

Earthing is crucial in ensuring the safety, longevity, and efficiency of the solar panel system. Without proper earthing, the system is vulnerable to electrical faults and surge incidents.

In addition to the safety benefits, earthing also allows the solar panel to remain stable in the event of unexpected weather events, such as high winds. Proper earthing is essential for taking advantage of all of the benefits of a solar panel system.



Overview of Earthing

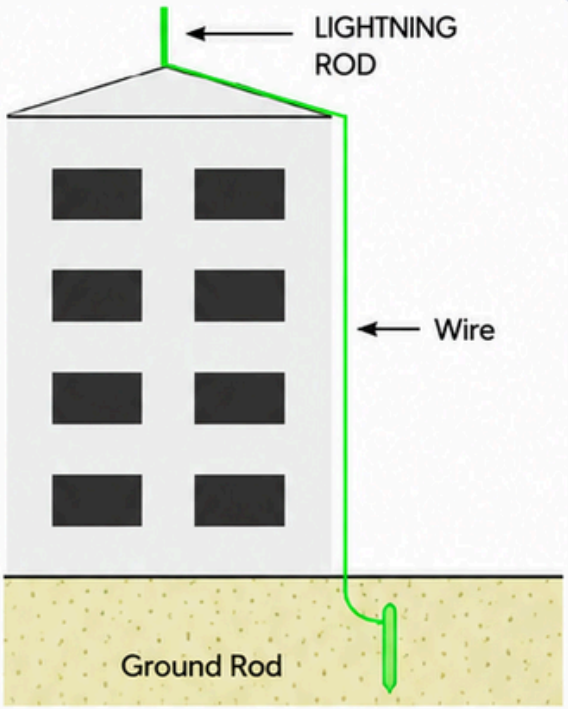
Solar panel earthing refers to the process of connecting the solar panel to the earth. The purpose of earthing is to protect the solar panels and associated equipment from lightning strikes and potential electrical faults. Earthing creates a safe path for the electrical current to flow to the ground.

Types of Earthing

There are two types of earthing systems; one is the plate earthing system, and the other is the rod earthing system. While both methods can be used for metal roof solar panels, they would need to be tested for suitability to prevent corrosion and other environmental factors.

What is a metal roof solar panel?

A metal roof solar panel is a solar panel installation that is mounted onto a metal roof. Metal roofs are becoming increasingly popular with homeowners and businesses across the globe. Metal roof solar panels help owners save on energy bills and reduce the amount of their carbon footprint on the environment. There are, of course,



Key Benefits of Proper Earthing

- Protects against electrical faults and shock
- Safeguards equipment from lightning and surges
- Improves system reliability and performance
- Enhances safety for people and property
- Extends the life of solar panel components

COMPONENTS & MOUNTING OPTIONS

MOUNTING OPTIONS



• BALLASTED

A ballasted mounting system uses the weight of the panels and ballast blocks to secure the solar array to the roof. This method offers an easy and quick installation without roof penetration.





• FIXED

A fixed mounting system is typically designed to be installed with roof penetration, using bolts and flashing to secure the system in place. It's the most commonly used mounting option, and provides solid support for the panels in harsh weather conditions.





• ADJUSTABLE

These mounting systems allow for the adjustment of tilt angles to optimize panel efficiency. They can be fixed or ballasted, and are ideal for installations where the solar array needs be mounted on a non-flat roof.



COMPONENTS

Component	Description	Image
Rails	Support the solar panels and connect them to the mounting brackets. Usually made of aluminum, they come in different sizes and shapes to fit the layout.	
Mounting Brackets	Secure the rails to the roof, typically with bolts and flashing, and provide a stable base for the panels. They come in a variety of sizes and types depending on the mounting option.	
Flashing	Seals the bracket and bolt penetrations on the roof to prevent leaks. It is typically made of metal or rubber and comes in a variety of shapes and sizes to fit different roofs.	
Railing	Provides additional edge protection and support for the system.	Aluminum

MAJOR SYSTEM COMPONENTS

KELANI CABLES	DC Cables	Kelani Cables Made in Sri Lanka
	AC Cables	Kelani Cables Made in Sri Lanka
Schneider Electric	AC Surge Protection	Made in India/China
	DC Protection	Made in India/China
suntree	DC Isolator	Made in India/China
	AC Switchgears	Made in India/China
SWISSTEK ALUMINIUM	Aluminum Structure	Made in India/China

BENEFITS OF PROPER MOUNTING

- Ensures System Safety & Stability
- Withstands Harsh Weather Conditions
- Maximizes Panel Efficiency
- Ensures Long-Term Performance
- Easy Maintenance & Service Access



SOLAR PANEL MANTANCE & LOAD

ORIENTATION AND WIND LOADS

1 Orientation

The orientation of the solar panels depends on the location of your property, along with other factors such as the roof's slope and the intended hours of solar generation. Your panel installer should guide you through the optimal orientation for your location.

2 Wind Loads

The mounting system should also take into account the wind loads in your location, especially if you live in an area that experiences high wind speeds. Your solar installer should design your mounting system to withstand wind loads and minimize any risks of damage.

SOLAR PANEL SIZE AND WEIGHT

"Size matters not" - Yoda. However, for solar panels, size and weight matter a lot. The size and weight of the panels depending on their wattage rating, affect the mounting system's spacing, layout, and ballasts, requiring calculations to make sure the panels do not exceed the roof's weight limits.



MAINTENANCE AND REPAIR

"Prevention is better than cure" - Desiderius Erasmus. Keeping up with regular maintenance is key to maintaining a properly functioning solar panel system. Follow these tips to ensure your panel systems remain in top condition:

1 Cleaning

The panels should be cleaned regularly with water and a non-abrasive sponge to remove dirt, dust, and debris. This ensures there is no shading from any objects on the surface of the solar panels. A regularly maintained panel system is essential.

2 Replacing Damaged Components

Should any of the components get damaged or worn out, they should be replaced immediately to avoid any damage to other components or the panels themselves. Contact a qualified solar panel technician or installer if you don't feel comfortable doing this yourself.

3 Monitoring System Performance

By monitoring your system's performance, you can ensure that it's functioning optimally and that there are no significant dips in power output. The monitoring system should be checked periodically to ensure that it works and that issues that arise are dealt with promptly.

- Optimized Performance
- Enhanced Safety
- Longer System Lifespan
- Reduced Risk of Damage and Losses

PAYMENT TERMS

Transparent. Simple.
Customer Friendly.



Payment Terms

Ceylon Energy
Engineering Services

Payment Milestones	Percentage	Payment Method
Order Confirmation	10%	Bank Payment
Installation Confirmation	70%	Bank Payment
Installation Completion	15%	Bank Payment
Connection with the Grid	5%	Bank Payment

Thank you for choosing our company for your needs. We appreciate your business and want to make sure you're aware of our payment policies.

Payment is due within 30 days of the invoice date. We understand that there may be situations where payment is delayed, but please be aware that we will charge 10% interest per month on late invoices. By paying your invoice on time, you help us maintain our high level of service to all of our customers.

If payment is not received within 30 days of the invoice date, we reserve the right to condition future contract renewals or service renewals on payment in full of the overdue balance. In addition, we may suspend our services to you until the balance is paid in full. We want to avoid this situation if at all possible, so please contact us if you're having trouble making your payment.

Please retain your invoice and warranty card for the duration of the warranty period. If you have any questions about the warranty, please refer to your warranty card or contact us for more information.

We want you to be completely satisfied with your purchase, but please be aware that goods and services are not refundable, returnable, or exchangeable under any circumstances. We apologize for any inconvenience this may cause, but we stand behind the quality of our products and services and are confident that you will be satisfied with your purchase.

Please note that the warranty will cover only manufacturing defects. We cannot cover damage caused by misuse, overloading, or any other issues not related to manufacturing defects. If you have any questions or concerns, we will be happy to assist you.

HEALTH & SAFETY STANDARDS



HEALTH & SAFETY STANDARDS

- **Workmen's Compensation Law in Sri Lanka Enacted in 1934**

  Employer is bound to pay compensation to an employee for industrial accidents.

- **Insurance**

  Ceylon Energy & Engineering Services PVT Ltd has Workman's Compensation insurance form Allianz Insurance

- **Safety equipment usage and training**







Standards Code	Specification	Description	International Standards	Mandatory requirement
SLS 1352 (2012)	PV Array Structural Design Guidelines by Civil & Structural Power Solution	This Technical Standard defines the minimum information and documentation required to be supplied for the structural design of grid-connected photovotatic (PV) panel installations for rooftop applications. It provides basic structural requirements for the supporting structures of PV panel systems. It covers only when designs are carried out by persons with recognized engineering qualifications. It is not intended to cover solar PV systems, or those structural elements and components of a building to which a solar PV system is attached, that are outside the scope of the structural engineer's experience or competence. Additional standards or guidelines are required to take into account site specific climatic actions or to limit the risk of damage arising, for instance, from fire.	None	Yes

OUR TECHNICIAN AND SOLAR ASSESSORS

We are happy to announce our solar Engineers and technician has been trained from the SEA & PUBSL Training.



Trained Technicians

Our technicians have received professional training from SEA & PUBSL to ensure high standards of installation and maintenance.



Certified Engineers

Our solar engineers are trained and certified to design efficient, reliable and safe solar power systems for residential, commercial and industrial needs.



Hands-on Training

Our team undergoes practical training sessions and workshops on solar installation, safety and troubleshooting best practices.



Continuous Learning

We believe in continuous improvement. Our team regularly participates in advanced training programs and industry updates.



Quality Assured

With certified professionals and well-trained technicians, we deliver reliable solar solutions with quality and safety guaranteed.

Your Trust, Our Commitment

Our trained and certified team is committed to delivering excellent service, ensuring maximum performance and long-term value for your solar investment.

Trained & Certified Professionals | Safe & Quality Workmanship | High Performance Solar Solutions | Reliable Service You Can Trust

OUR TECHNICAL CAPACITY AFTER SERVICES

OUR TECHNICAL CAPACITY



Electrical Testing

We carry out comprehensive electrical testing to ensure the safety, reliability and performance of your systems.



Control Panel Testing

Our experts test and validate control panels to ensure proper functionality and compliance with safety standards.



Equipment Inspection

We inspect and evaluate all critical equipment to identify issues early and ensure optimal performance.



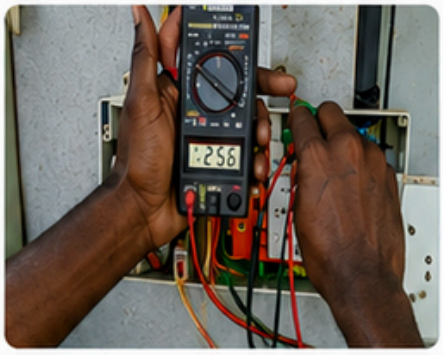
Thermal Imaging

We use advanced thermal imaging to detect hotspots and potential electrical faults that are not visible to the naked eye.



Maintenance Services

We provide regular maintenance to keep your systems running efficiently and safely, minimizing downtime.



System Diagnostics

We diagnose and resolve electrical issues quickly and accurately to restore system performance.

Experienced Technicians

Skilled and trained professionals you can rely on.

Advanced Equipment

We use modern tools and technology for accurate results.

Safety First

We follow strict safety protocols to protect people and property.

Reliable Solutions

We deliver reliable solutions tailored to your needs.

Maximum Efficiency

We help you achieve maximum efficiency and long-term performance.



Contact Us

www.ceylonenergyservices.com

info@ceylonenergyservices.com

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