

1. Dhalkebar 3 MW -  
Sagarmatha Energy & Constructions Pvt. Ltd.

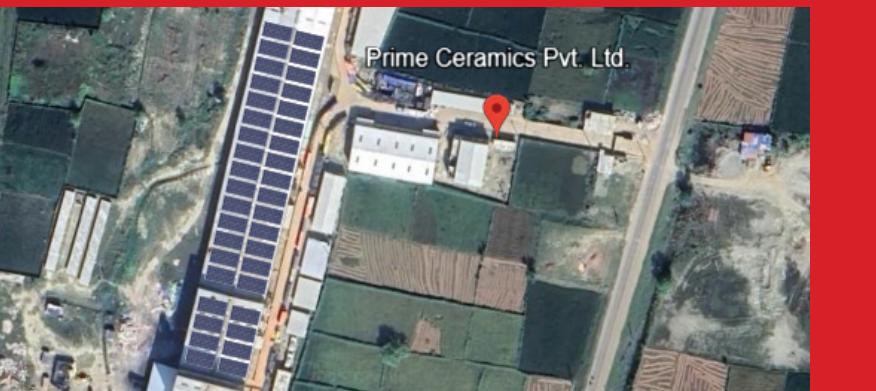


2. Commercial & Industrial rooftop

Shiv Shakti Group, Parsa



Prime Ceramics Pvt. Ltd., Rautahat



📍 Level 5, Saket Complex, Tripureshwor  
Ward no 11, Kathmandu, Nepal  
📞 +977 15922976, 📩 Info@ prime-renew.com  
🌐 www.prime-renew.com

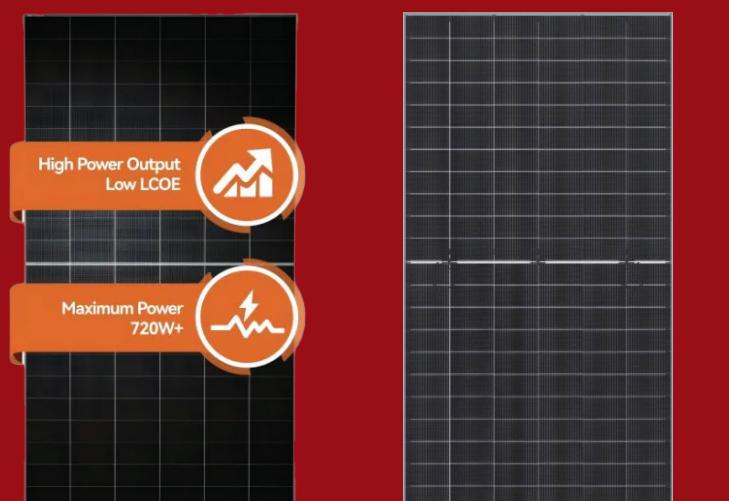
## TONGWEI SOLAR, CHINA – EMPOWERING SOLAR ENERGY WITH SUPERIOR MODULES

As a key partner in our solar projects, Tongwei Solar is a global leader in photovoltaic (PV) module manufacturing and a prominent player in the polysilicon sector. With the world's largest polysilicon production capacity of 650,000 tons, Tongwei continues to drive the evolution of solar energy, offering high-performance modules that are trusted for their efficiency, durability, and reliability. Tongwei is recognized globally as a Tier 1 PV manufacturer, ranking among the top for both quality and capacity. Ranked 476th in the 2024 Fortune 500 list, showcasing leadership in the module manufacturing industry. Continuous investment in research and development to drive innovation and ensure the highest performance. With one of the highest market shares in the solar industry, Tongwei is dedicated to driving the global transition to clean, renewable energy.

### Tongwei Solar Modules – Key Features:

- **High Conversion Efficiency** – Up to 23.1%, maximizing energy production.
- **Excellent Low-Light Performance** – More output in cloudy conditions, early mornings, and evenings.
- **Higher Power Output to Coverage Ratio** – Smaller area required for the same or higher power production compared to conventional modules.
- **Estimated Lifespan** – 30 years of reliable energy production.

### Tongwei & Prime Power—Powering the Future of Solar Energy Together!



## 1. Utility scale projects



## 2. Commercial & industrial Rooftops



## 3. Battery energy storage solutions



## 4. Residential rooftops



Prime Renewables Pvt. Ltd.  
“Powering the **green** future”



Partners:  
Huawei, China and TW Solar



# NEPAL'S LARGEST SOLAR POWER DEVELOPER

**76MW**

Ground Mounted  
Solar Utility Projects

**25MW**

Commercial &  
Industrial Rooftop  
Installations

**3MW**

Battery Energy  
Storage Solutions

**15+**

years of Experience  
in Power Sector  
Established in 2010

## One Stop Solution for your Solar Needs

## POWERING THE GREEN FUTURE About Us

### Who We Are

Prime Renewables Pvt Ltd is a leading power development company in Nepal, specializing in the design and installation of high-quality solar energy systems & energy storage solutions. Our expertise spans residential, commercial, industrial & utility-scale projects, where we prioritize innovative solutions that deliver both environmental sustainability & significant cost savings. We own solar power projects of 76 MW in Nepal and have an ongoing industrial rooftop installation project of 25 MW & along with 3 MW of energy storage solutions.

Along with solar, we are also active in hydro power, wind and power trading ventures. We also represent Huawei Technologies China as their value-added partner for Digital Power Segment in Nepal. Other than this, we have also partnered with Tongwei Solar, China; world's largest solar cells and Tier I module manufacturer for supply of high-quality solar PV modules in Nepal.

### Our Competitive Advantage

- Extensive Expertise:** With 76 MW of solar power projects in Nepal, along with an ongoing 25 MW industrial rooftop installation and 3 MW of energy storage solutions.
- Global Partnerships:** Collaborating with industry leaders like Huawei Technologies for digital power solutions and Tongwei Solar, the world's largest solar cell and Tier I module manufacturer, ensuring top-tier technology and reliability.
- Cutting-Edge Technology:** Providing high-efficiency solar modules, inverters, and advanced energy storage solutions from globally renowned manufacturers.
- Highly Experienced Team:** Backed by a team of seasoned professionals with extensive expertise in renewable energy development, engineering, and project management.
- End-to-End Solutions:** Delivering comprehensive services, from feasibility studies to installation, maintenance, and long-term operational support.

### Why choose Solar?

- Cost-Effective** – Cut electricity costs and enjoy long-term savings with solar energy.
- Energy Independence** – Reduce reliance on the grid, avoid outages, and store solar power for nighttime use.
- Smart Investment** – High efficiency, low maintenance, and a long lifespan for maximum returns.
- Sustainable & Eco-Friendly** – Harness clean, renewable energy and reduce your carbon footprint.

## HUAWEI TECHNOLOGIES, CHINA – POWERING INNOVATION IN SOLAR

**130.7GW**

Inverter shipment in  
2023  
No.1 for 8  
Consecutive Years

**11.5GWh**

Accumulated  
ESS  
shipments  
2023

**400+ GW**

Accumulated  
Inverter  
shipments  
2023

Huawei, our value-added partner, is a global leader in ICT infrastructure and smart devices, delivering cutting-edge inverters, energy storage solutions, and intelligent monitoring systems for superior performance and reliability in our solar projects.

### Huawei Products & Solutions We Use

#### 1. High-Efficiency Inverters

- Efficiency  $\geq 98.6\%$**  – Maximizing solar energy conversion.
- Wide Operating Temperature** – Functions up to 50°C for all-weather performance.
- Smart I-V Curve Diagnosis** – Quickly detects and troubleshoots panel issues.
- IP66 Protection** – Dustproof and waterproof for enhanced durability.
- User-Friendly Design** – Easy installation and operation.



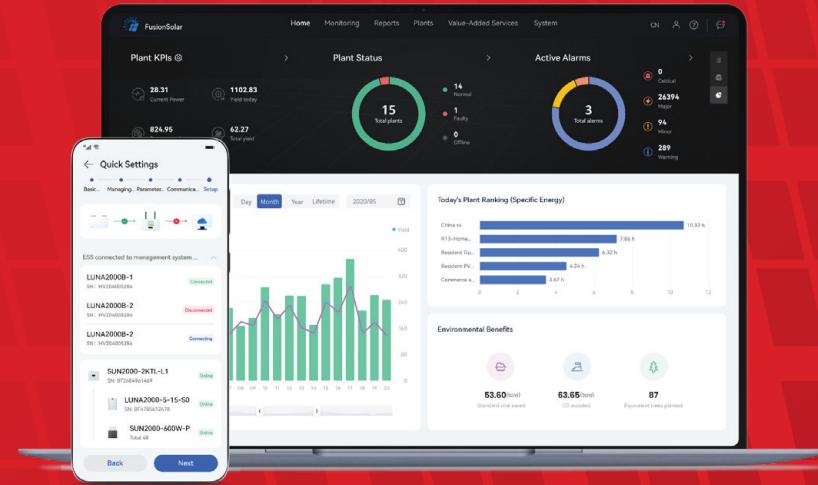
#### 2. Advanced Energy Storage

- Maximum RTE  $\geq 91.3\%$**  – Efficient energy retention and use.
- Hybrid Cooling System** – Ensures optimal performance and longevity.
- Modular & Compact** – Scalable to fit diverse energy needs.
- Intelligent Battery Management** – Smart monitoring for enhanced safety and efficiency.



#### 3. Smart PV Management System (PVMS)

- Real-time Monitoring** – Provides instant insights for data-driven decision-making.
- Intelligent Diagnostics** – Smart I-V Curve Diagnosis minimizes downtime.
- Data Analysis & Reporting** – Tracks trends and optimizes performance.
- Scalability & Flexibility** – Adapts to various system sizes and integrates seamlessly.



### Why Huawei?

- Global Leader in Solar Technology** – Holds the largest market share (42%) in PV string inverters.
- Commitment to Innovation** – Ranked 5th globally in R&D investment, driving technological progress.
- 25+ Years in Nepal** – With a dedicated office in Hattisar, Kathmandu, Huawei ensures strong local support.
- 24/7 After-Sales Support** – Reliable service and maintenance for uninterrupted performance.

## Huawei & Prime Power— Shaping the Future of Solar Together!