



*Step Towards*  *Green Future*

Amrut Energy

# Product Portfolio

India's Leading Solar Products Manufacturer



[www.amrutenergy.com](http://www.amrutenergy.com)



## Mission

- To deliver the best end to end integrated solar energy solutions.
- Ensuring Excellence, Integrity and Longevity in our relationship with our stakeholders.
- Encouraging employees to learn and innovate.



## Vision

- Empowering humankind with Solar Energy.

# About Us

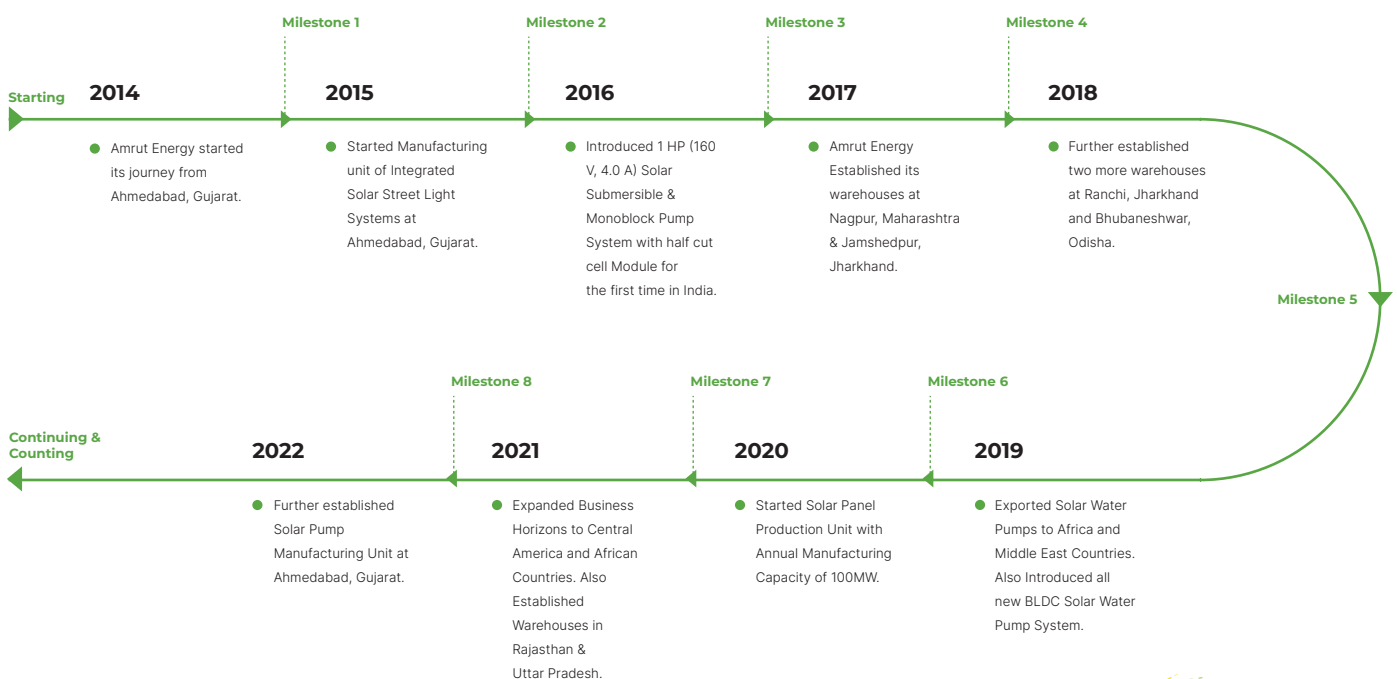
Started in the year 2014, we have established our presence in the specialized field of Solar Pump and have set an unprecedented and unbeatable mark in the Solar Pump Market.

We do not consider ourselves a business, but rather a “platform” where we want to address our customer’s every requirement.

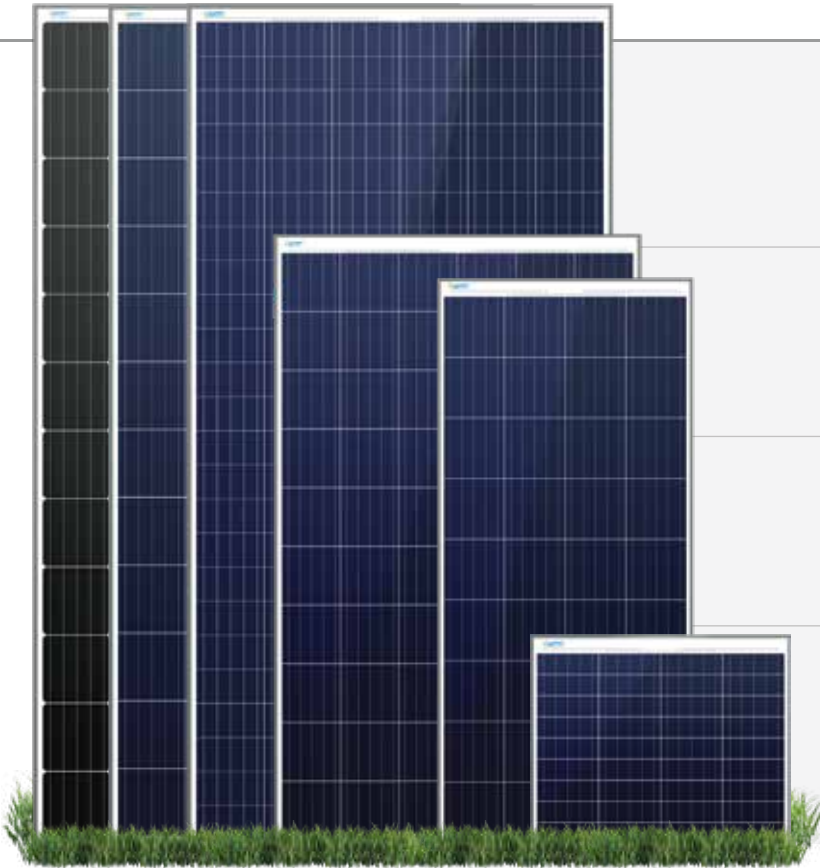
We believe in educating our customers, advising on the right option, sourcing the best equipment, and providing hassle-free service.

# The Journey

Our Growth with Time



# Solar Module



Polycrystalline & Monocrystalline

**36 - 72 - 144 Cells**

Polycrystalline Module

**40W - 450W**

Solar Module Range

**18.7% | 21%**

Poly & Mono Solar Module Efficiency

**0~+5**

Positive Power Tolerance

## We are Certified :



MAKE IN INDIA

**10 Year**

Product Warranty

**25 Year**

Linear Power Warranty

Degradation as per Industry Standard\*



Scan For Solar Panel  
E-Brochure



5 Busbar Solar Cell



Anti-Reflective Glass



Higher Power Output



PID Resistance



Higher Lifetime Power Yield



Low Temperature Coefficient



Special Customized Solutions



Extreme Weather Conditions



Easily Mounted With a Number  
of Assembly Options

# Solar Water Pump System



## Types of Solar Pumps



**Solar Submersible Pump**

**0-100 meter**  
Pump head range

**AC/DC/RMS**  
Range Available



**Solar Monoblock Pump**

**10 - 20 meter**  
Pump head range

**AC/DC/RMS**  
Range Available



**Solar Open-Well Pump**

**10 - 50 meter**  
Pump head range

**AC/DC**  
Range Available

## Solar Water Pump Applications



Domestic



Agriculture



Commercial  
Building Sector



Industrial

## Some of the features include:



Dry run protection



Overloading protection



Stages Customization Available



Available in AC/DC Range



High Durability



Wide Range of Products

- ◆ Highly energy-efficient submersible solar water pump with energy-efficient heavy-duty motor.
- ◆ Highly-efficient Solar Panels with a service life of a minimum of 20 years.
- ◆ Robust design Galvanized Steel mounting structure for high energy yield and long life.
- ◆ High tech Solar Pump-Controller with dynamic MPPT(Maximum Power Point Tracking) control method.
- ◆ The controller provides protection against under and over-voltage and dry-run protection for the pump.
- ◆ Highly efficient controller with excellent conversion efficiency.

## Installation



### Leh, Ladakh

3 hp Solar Submersible Pump  
with Fixed Structure



### Idar, Gujarat

17.5 hp Solar Submersible Pump  
with Single Axis Movable Structure

### Banaskantha, Gujarat

10 hp Solar Submersible Pump  
with Single Axis Movable Structure



Scan For Solar Pump  
E-Brochure

### Types of Panel Mounting Structure

- ◆ Fixed Structure
- ◆ Single Axis Movable Structure
- ◆ Dual Axis Movable Structure

# Solar Street Light System

Scan For Solar Street Light E-Brochure



## Specification

LED Lumen Output	130 lm/W	LED Dispersion Angle	120°
Motion Sensor	Optional	LED Life (TA=25°C)	50000 Hrs.
Controller Rating	6A/10A	Operating Temp.	-40°C to 60°C
Dusk to Dawn	Yes	Light Backup Time	Full Night with Dimming
Dimming	Yes		



Inbuilt Battery



Longer LED Life



Dusk to Dawn Automatic Operation



Wider Beam Angle



High Color Rendering Index



### Normal Solar Street Light

**9W - 100W**  
Normal Light Range

**SMF**  
Battery with Box

**5-6 meter**  
GI Pole



### Two-In-One Solar Street Light

**9W - 40W**  
Normal Light Range

**LiFePo4**  
Inbuilt Battery

**5-6 meter**  
GI Pole



### All-In-One Solar Street Light

**9W - 75W**  
Normal Light Range

**LiFePo4**  
Inbuilt Battery & Solar Panel

**5-6 meter**  
GI Pole

# Solar Water Tower System

Scan For Solar Water Tower E-Brochure



Galvanized Structure



upto 100 micron coating thickness



Pre Fabricated



**1000 L Solar Tank Structure**  
Pump System

**2000 L Solar Tank Structure**  
Pump System

**3000 L Solar Tank Structure**  
Pump System

**5000 L Solar Tank Structure**  
Pump System

► **We also supply under**

Government Projects of

PHED | Gram panchayat | Nagar panchayat | Zila Parishad  
JJM - Jal Jivan Mission | Forest Division

Recommended

## Solar Pump System

### 1 hp Solar Pump System

For 1000L Solar Water Tower



**335 Wp Solar Panel**

x3 Nos

**1 hp Solar Water Pump**

160V, 4A

**1 hp Solar Controller**

160V, 4A

**RMS Option Available**

### 2 hp Solar Pump System

For 2000L, 3000L and 5000L Soilar Water Tower



**335 Wp Solar Panel**

x6 Nos

**2 hp Solar Water Pump**

160V, 9A


**2 hp Solar Controller**


160V, 9A


**RMS Option Available**




**Scan For Amrut Energy**  
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