

# UHPC Power Transmission Pole

The UHPC power transmission pole offers the strength of steel, the lightness of wood and the durability of rock. These poles are designed to support power transmission lines and distribution networks, ensuring reliable and efficient energy delivery.



## ADDITIONAL IMAGES



## Product Overview

### Ultra-High Performance Concrete (UHPC) Poles

These advanced poles utilize patented UHPC technology to deliver ultra-high strength, exceptional durability, and superior volume stability. Designed to replace traditional steel, wood, and standard concrete poles, they offer enhanced load-bearing capacity and significant corrosion resistance. Their lightweight construction and extended service life make them an ideal, low-maintenance solution for challenging environments like coastal or industrial zones.

## Key Advantages

### Performance Benefits

Corrosion Resistant, Maintenance-Free, High Durability, Lightweight, High Strength

## Technical Metrics

### Comparison Metrics

**50 %**

Weight vs Traditional Concrete

**60 %**

Cost vs Galvanized Steel

**2.5 x**

Carrying Capacity Improvement

## Applications

### Ideal Environments

- Coastal areas
- Inland saline soil
- Industrial zones
- Acid rain prone areas
- High salt concentration roads

## Product Variants

### Available Configurations

| Type                     | Primary Use                       |
|--------------------------|-----------------------------------|
| Light Pole               | Replacing wood and concrete poles |
| Super-High Strength Pole | Replacing steel poles and towers  |