

# UHPC Communication Pole

The UHPC communication pole offers the strength of steel, the lightness of wood, the affordability of concrete and the durability of rock. These poles provide a reliable and robust solution for power and communication infrastructure, suitable for various environmental conditions.



## ADDITIONAL IMAGES



## Product Overview

### Advanced UHPC Infrastructure

Ultra-High Performance Concrete (UHPC) poles represent a breakthrough in structural utility, offering superior strength-to-weight ratios compared to traditional materials. Engineered with patented technology, these poles provide exceptional corrosion, cavitation, and abrasion resistance, making them ideal for challenging coastal, industrial, and saline-alkali environments. By replacing heavy steel or standard concrete options, they deliver significant savings in logistics and installation while ensuring a maintenance-free service life.

## Key Advantages

### Performance Advantages

**50 %**

Weight Reduction

**200 %**

Load Capacity Improvement

**60 %**

Cost vs Galvanized Steel

## Technical Features

### Material Characteristics

Corrosion Resistant, Abrasion Resistant, Cavitation Resistant, Maintenance-Free

## Applications

### Suitable Environments

- Coastal Areas
- Inland Saline Soil
- High Salt Concentration Roads
- Industrial Zones
- Acid Rain Areas

## Product Types

### Product Categories

Category	Replaces
Light Pole	Wood and concrete poles
Super-High Strength Pole	Steel poles and towers