

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