

Micro Kaplan Turbine for Hydropower Generation

This micro Kaplan turbine is designed for efficient energy conversion in small-scale hydropower applications. Its robust construction and optimized blade design ensure reliable power generation.



ADDITIONAL IMAGES



Product Overview

High-Efficiency Hydropower Generation

This micro Kaplan turbine is engineered for optimal energy extraction in small-scale hydropower applications, providing a reliable and sustainable power solution. Designed with a simple, robust structure, it ensures long-term operational performance and ease of maintenance. The system is capable of handling various head and flow conditions, making it an ideal choice for diverse remote or off-grid power generation projects.

Technical Specifications



A high-efficiency Kaplan turbine generator set designed for optimal energy conversion.

Power Output Range

50 kW

Minimum Power

200 MW

Maximum Power

Operating Frequency

50Hz • 60Hz

Output Voltage Options

400V, 3.3kV, 6.3kV, 10.5kV, 13.8kV

Output Type

AC Three Phase

Operational Performance



Engineered to maximize energy extraction from low-head water resources.

Water Head Ratings by Turbine Type

Turbine Type	Water Head Range
Francis	20-500m
Pelton	40-1700m
Kaplan	2-70m
Tubular	1-40m
Turgo	40-250m

Service & Reliability



Example of a large-scale Kaplan turbine installation within a power plant facility.

Warranty Period

1 year or more

Expected Lifespan

30-50 years