

Mini Brushless DC Water Pump, 420 L/H

This brushless DC aquarium pump offers extended operational life and high efficiency. Its stable speed and low noise make it suitable for continuous and reliable operation.



Overview

High-Efficiency Brushless DC Pump

This compact 12VDC brushless water pump provides a reliable flow rate of 420 L/H, making it an excellent solution for small-scale circulation and DIY projects. Engineered for durability, it features a lifespan exceeding 30,000 hours and an IP68 waterproof rating for full submersion. Its versatile power compatibility allows it to be operated via solar panels, batteries, or DC adapters.

Performance Metrics

Key Performance Indicators

420 L/H

Max Flow Rate

1.5 M

Max Static Head

5.3 W

Power Consumption

Technical Specifications

Electrical Characteristics

Parameter	Value
Rated Voltage	12VDC
Max Rated Current	1A
Driving Method	Brushless, Permanent Magnetic

Physical Dimensions 76mm x 54mm x 67mm

Weight 0.37 kg

Outlet Dimension 13 mm

Operating Environment

Usage Environment Submersible, Fresh Water, Salt Water

Maximum Operating Temperature 60 Celsius

Noise Level <35dB

Features

Compatible Power Sources

- Solar panel
- DC electric source
- Adapter
- Battery

Protection Features

Dry Run Protection • Blocking Protection • IP68 Waterproof

Life Span

> 30,000 hours