

# SOLAR POWERED AUTOMATIC FEEDER for shrimp farming



Solar-powered automatic feeders are designed to dispense feed at pre-programmed intervals. This automation ensures that animals receive their feed consistently, even when technicians are away or occupied with other tasks. It's particularly important for shrimp culture especially in *P. vannamei*, as it can help maintain regular feeding schedules.

- CIBA developed solar-powered automatic feeders to eliminate the need for constant human interventions, reducing labour costs and minimizing the risk of human error in feeding.
- The developed feeder consist of following components: 120 kg capacity of drum, 2800 rpm motor, 250 W solar panel, Two heavy-duty 65 Ah 12V DC Battery, Control unit and feed dispensing unit.
- The developed feeder is designed to uniformly dispense feed across the entire pond at specific quantities at specific intervals, ensuring that the shrimp receives the right amount of feed at the right times for a water spread area of 0.8 – 1 ha.
- The auto feeder provides improved feed conversion ratios (FCR).
- Artificial Intelligence based automatic feeder will improve the pond environment and disease free shrimp growth.



"Brackishwater aquaculture for food, employment and prosperity"



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