

# PAX-0100W



## **Introduction :**

The [PAX-0100W](#) is a waterproof IP68-rated linear actuator made from durable aluminum alloy, delivering 1200N of force with smooth, quiet 12V DC performance. Built-in limit switches and overload protection make it ideal for outdoor and industrial use, including automation, solar panels, and equipment doors.

## **Key Feature :**

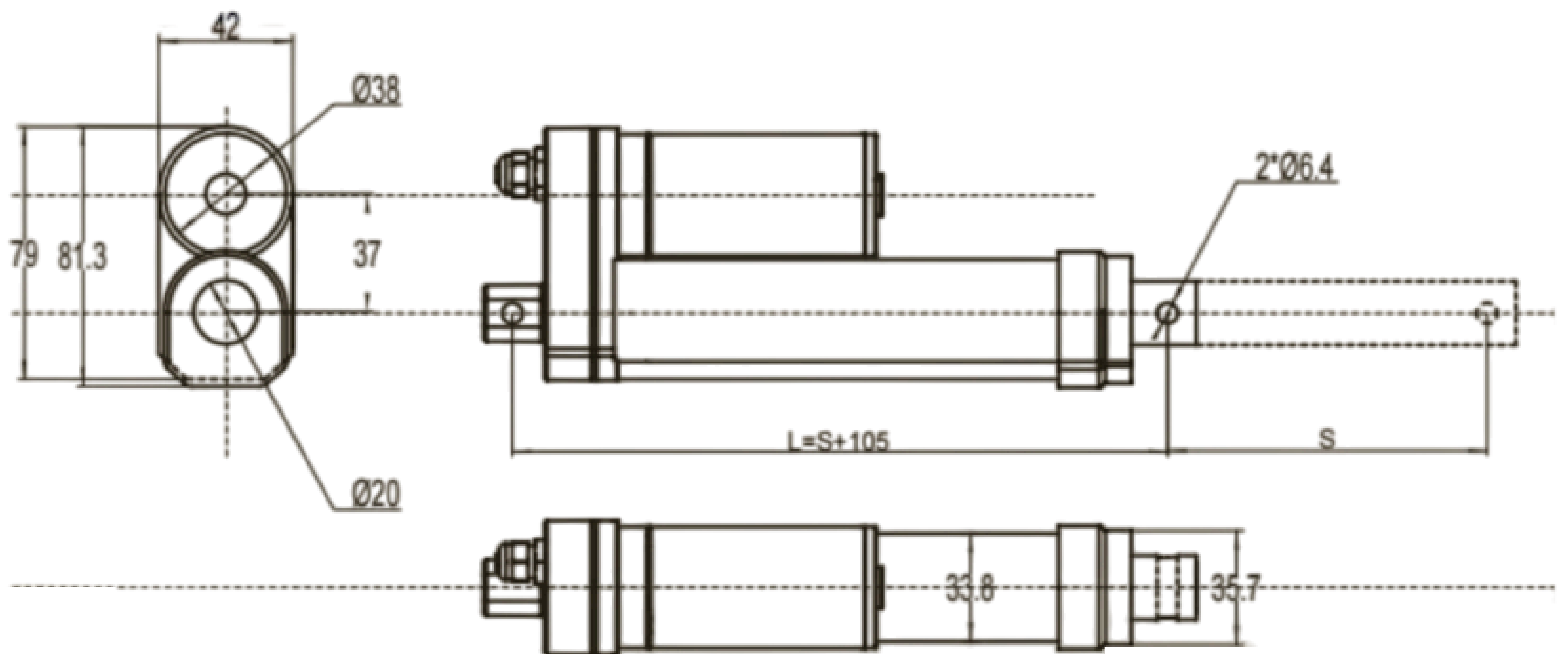
- *Premium Build & Support:* High-grade materials with reliable customer service.
- *Durable Metal Housing:* Weather-resistant and corrosion-proof for harsh conditions.
- *Powerful Performance:* Strong DC motor and metal gears handle heavy loads.
- *High Thrust & Customization:* Up to 900N force, with adjustable stroke (10–1000 mm) and speed (5–80 mm/s).
- *Advanced Safety:* Built-in clutch, overload, and overheat protection.
- *Accurate Control:* Limit switches and optional Hall sensor for precise, synchronized movement.
- *Efficient & Quiet:* Low power use with quiet operation.
- *Self-Locking & Maintenance-Free:* Holds position without power, no upkeep needed.



Specification :

Type	PAX-0100W
Working Voltage	12V / 24V (recommended) / 36V / 48V DC
Stroke Range	10–1500 mm (0.4–60 inches)
Speed (No Load)	5–60 mm/s (varies: 5±1, 10±2, 15±3, etc.)
Max Load Capacity	900N (90 kg / 200 lbs) at 5 mm/s (vertical push preferred)
Full-Load Current	2.5–3A (12V), 1.4–1.6A (24V)
No-Load Current	0.8–1A (12V), 0.4–0.5A (24V)
Recommended Power Supply	12V/1.5A or 24V/1A (1 actuator); 12V/3A or 24V/2A (2 actuators); 12V/6A or 24V/4A (4 actuators)
Shaft Diameter	20 mm
Mounting Hole Diameter	6.5 mm
Housing Material	Stainless Steel
Stroke Rod Material	Stainless Steel
Gear Material	Steel Alloy
Motor Type	Brushed DC Motor
Duty Cycle	10% (Max 2 min continuous use)
Operating Noise	45–55 dB
IP Rating	IP65 / IP68
Operating Temperature	–26°C to 85°C
Plug Type	2-core wire or 6-core wire (with Hall sensor)

### ***Drawing :***



### ***Applications :***

- *Industrial & Mechanical Applications*
- *Home & Lifestyle Enhancements*
- *Medical & Mobility Solutions*
- *Agricultural & Outdoor Equipment*
- *Automotive & Marine Uses*

***Product Detail :***

