

CHARGE

Hybrid Accumulator / Closing Unit

The CHARGE (Critical Service Hybrid Accumulator – Gas/Electric) unit delivers reliable, high-performance hydraulic power engineered for demanding wellsite operations. Built around a 90-gallon accumulator system with dual auto-start Honda engines, integrated electric motor backup, and advanced Dynagen controls, this unit ensures rapid response, operational redundancy, and consistent pressure delivery when it matters most. Designed with a lightweight uniframe construction and equipped with remote monitoring capabilities, it provides a modern, field-proven solution that maximizes pressure up time efficiency, enhances safety, and requires less maintenance in any environment.



A Game-Changer in Accumulator/Closing Units

Compared to conventional accumulator units, Axis delivers a lighter, smarter, and faster system—combining remote connectivity, automated pressure management, and enhanced safety features into a single integrated package.

Performance & Speed

- 3-minute charge times with dual Honda 700cc engines
- High/Low bypass valves accelerates shear capability for faster well control response
- Dual power sources (gas + electric motor backup) ensure uninterrupted operation

Advanced Controls & Remote Capability

- Dynagen - Charge Pro 600 Series controller box
- Starlink-compatible for remote monitoring and control
- Auto-start functionality maintains system pressure without manual intervention

Lightweight, Durable Design

- Uniframe construction ~700 lbs lighter than traditional skid-mounted units
- Trailer-mounted for easy transport and rapid deployment
- Built to meet stringent API 16D guidelines for oilfield service applications

Operational Efficiency

- Dual solar panels minimize battery maintenance in remote locations
- Low battery auto charge module eliminates manual battery maintenance oversight
- Cold weather AW-32 hydraulic oil ensures performance in extreme conditions

Safety-Focused Engineering

- Isolation valve under each bottle (4x 1¼" NPT) for controlled maintenance and safety
- Dual bleeder valves emulate a safe dual barrier system, preventing unintended hydraulic release
- Blind / shear ram safety cages protect critical operational components
- Beacon alarm system + low fluid alarm package for real-time alerts

Maintenance & Usability

- Tank dipstick with volume calibration sticker for quick, accurate fluid checks
- Simplified electronic Dynagen system enables faster troubleshooting and servicing
- Designed for minimal downtime and reduced field intervention

Technical Specifications

Weight

- 10,520 lbs empty
- Trailer Max: 14,000 GVW

Volume

- 90-gallon tri-powered electric/gas accumulator
- 45-gallons usable fluid @ 3,000 PSI
- 150-gallon hydraulic holding tank
- 6 x 15-gallon accumulator bottles, each charged to 1,100 PSI N₂

Electrical

- 220V Electric Motor
- Dual Solar Panels - Battery Tender/Trickler
- GRP 31 Batteries

Accessories

- BOP hoses (3/4" fire proof, rated to 1,400° F)
- Remote Panels
- Alarm Package

Compatible with the

EPIC RIG

Powered by **Axis CORE Technology**

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